



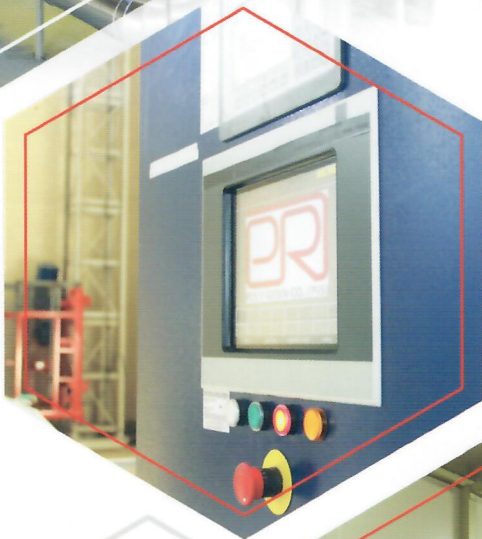
POLY RESIN Co.
Resins for Paint & Coating



Founded in 1990, **Poly Resin Company** is one of the leaders in the manufacture, development, distribution, and sale of resins for paint and coating related products in Iran and the Middle East.

In 2017, our company opened its new high-tech manufacturing plant located in Hashtgerd Industrial Zone (Alborz Province of Iran), with a capacity of 35,000 MT per year. Today with a long history and experience in field of paint and coating, our company consists of highly skilled researchers, engineers, and production team to provide a wide range of resins for paint and coating producers with International Standards and high-quality products.

Poly Resin Company is the first manufacturer of Saturated Solid Polyester Resin for Powder Coating in Iran, and additionally, we are very strongly active in other applications such as Automotive OEM & Refinish Coatings, Can & Coil Coatings, Industrial & Protective Coatings, and Wood & Road- Marking Paints.



Carboxylated Solid Polyester Resins

- a. Hybrid
- b. TGIC Curable
- c. Primid (HAA) Curable

Hydroxylated Solid Polyester Resins

- a. Polyurethane

Saturated Liquid Polyester Resins

- a. Solvent Based
- b. Solvent Free

Acrylic Resins

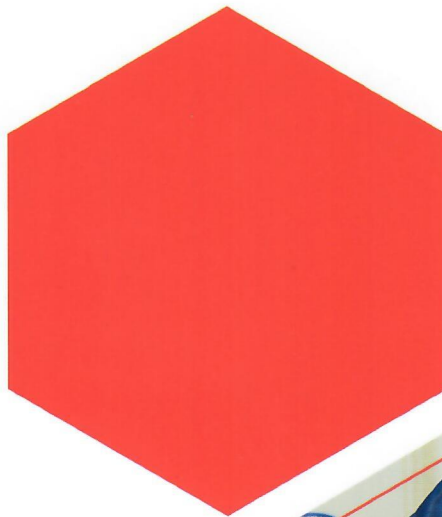
- a. Thermoplastic Acrylics
- b. Thermoset Acrylics
 - I. Acrylic Polyols (2k)
 - II. Hydroxylated Acrylics (1k)

Epoxy Curing Agent - Reactive Polyamidoamine

Energy (UV & EB) or Free Radicals' Curable Oligomers

Water Reducible Resins & Epoxy Hardener





At **Poly Resin Company**, our Research & Development team is recognized as an industry expert in polymer chemistry and coating technologies. Combined with the latest state-of-the-art Research & Development facilities, our company has been improving and staying as a pioneer and innovative manufacturer in Iran.

Our polymer and coating experts have made remarkable efforts to improve the quality of our products to meet the international standards resulting in variety of high-quality products to meet our customer wants and needs. Our laboratory maintains a full suite of testing equipment for determining the mechanical & chemical resistance, weathering, and other important properties of coatings and coating systems.



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1. PRODUCT DESCRIPTION

a. Solid Saturated Polyester Resins

Poly Resin's solid polyesters are Carboxyl (-COOH) or Hydroxyl terminated resins for Hybrid, TGIC, HAA systems, and Polyurethane for powder coating systems.

Hybrid system is used for indoor applications such as Home Appliances, Furniture, Indoor, Automotive Parts, Office Supplies, etc., which can be applied on treated and untreated steel, aluminum surfaces, etc. Our **Hybrid** resins have good mechanical & chemical properties, and good appearances.

TGIC, HAA, and Polyurethane powder coating systems are used for out-door applications for Transportation Vehicles, Window Frames, Transformers, Agricultural Machines, etc. These coatings contained with these resins have also good weather resistance, good mechanical properties, and excellent gloss.

Based on our customer requests, all solid resins can be supplied as **TRIBO** version.

Our **Solid Saturated Polyester Resins are identified with **PCR** pre-code and **900** series.*

b. Liquid Saturated Polyester Resins

Poly Resin's saturated polyester resins are Hydroxyl (-OH) terminated resins with variety of molecular weight and linear to highly branched structures for 1K solvent based oven cure coating systems.

They can be cured with amino resins & blocked isocyanate hardeners. This family of resins have good mechanical & chemical properties, and good weather & solvent resistance. They are widely used in solvent based such as Automotive OEM Coatings, Can Coatings, Coil coating, General Industries, etc.

Our solvent-free polyesters are polymeric plasticizer for PVC compound, and coatings systems with good compatibility and plasticizing power.

Our **Saturated Liquid Polyester Resins are identified with **SPE** pre-code and **400** series.*

c. Water Reducible Resins

Poly Resin's Water Reducible resins are green resin based on various backbones (polyester, epoxy ester, poly-amide or amine, acrylate...) for General Industrial Coatings, Automotive OEM Coatings, etc. They can be as oven cure, oxidative curing systems, water-based epoxy hardener, etc.

Our **Water Reducible Resins identified with **AQ** pre-code and **500** series.*

d. Acrylic Resins

Poly Resin's Acrylic resins are solvent based resins including homopolymer or copolymer of acrylic or methacrylic acid, and their esters, Hydroxyl (-OH) or Carboxyl (-COOH), etc. terminated or non-terminated.

Our Acrylic resins are divided into two distinct categories:

- ***Thermoplastic Acrylics***
- ***Thermoset Acrylics***

Thermoplastic Acrylics film formation is physically. They are used for Traffic Paint, Swimming Pool Coatings, Masonry & Architectural Paint, Industrial Coatings, Plastic Parts Coatings, etc.

Thermoset Acrylics are also divided into two categories:

- **Acrylic Polyol** resins which can be cured with isocyanate hardeners at room or elevated temperature for 2K polyurethane including Automotive Refinish Coatings, Heavy Duty Structure Coatings, Industrial Coatings, Transportation Coatings, Plastic Parts Coatings, etc.
- **Hydroxylated Acrylic** resins for one component oven cure solvent-based coating systems can be cured with amino resins & blocked isocyanate hardeners. They are widely used for Automotive OEM Coatings, Furniture & General Industries, etc.

**Our Acrylic Resins are identified with AC pre-code and 700 series.*

e. Epoxy Curing Agents

Poly Resin's Epoxy Curing Agents are based on reactive Polyamidoamine for Heavy Duty Epoxy Coatings and Adhesive Industries.

**Our Epoxy Curing Agents are identified with HA pre-code and 600 series.*

f. Energy (UV & EB) or Free Radicals Curable

Oligomers

Poly Resin's UV & EB Oligomers are based on various epoxy, polyester, polyurethane, and polyether resins with acrylate or vinyl active groups. They are ideal oligomer for radical polymerization for Industrial Coatings, Printing, and Packaging-systems.

**Our Energy Curable identified with UV pre-code and 300 series.*

2.ABBREVIATIONS

AW 402	-White Spirit
BAC	-Butyl Acetate
BG	-Butyl Glycol
BGAc	-Butyl Glycol Acetate
Bu	-n-Butanol
CH	-Cyclohexanone
DAA	-Diacetone Alcohol
EGA	-Ethyl Glycol Acetate
EPA	-Ethoxy Propyl Acetate
HDDA	-Hexandiol Diacrylate
IB	-Isobutanol
MPA	-Methoxy Propyl Acetate
MX	-Mixed Aromatics
S1	-Solvesso 100
S2	-Solvesso 150
S3	-Solvesso 200
T	-Toluene
X	-Xylene

3. PRODUCT GROUPS

a. Carboxylated & Hydroxylated Solid Polyester Resins

Product Code (PCR)	Technical Data							Properties											
	PCR / Hardener Ratio	Curing Time (min) / Curing Temp. (°C)	Acid Value (mg KOH/gr)	OH Value max. (mg KOH/gr)	Gardner Color Scale (50% in DMF)	Tg (°C) ASTM D3418-15	Viscosity @ 200 °C (Poise)	Overall Properties	Flow / Gloss	Gas Oven Res.	Mechanical Properties	Over-bake Res.	Chemical Res.	Weather Res.	Corrosion Res.	Non-Blooming	Texture Finishes	Economic Grade	Storage Stability
HYBRID SYSTEMS – INDOOR																			
920	60/40	10/200	45-58	—	3	56	25-45												
925	55/45	10/200	55-65	—	3	51	9-20												
926	60/40	10/200	50-65	—	3	60	20-40												
927	55/45	10/200	55-65	—	3	55	20-35												
	60/40																		
928	60/40	10/200	50-60	—	3	52	30-40												
929	55/45	10/200	55-65	—	3	54	30-45												
932	50/50	10/190	55-65	—	3	60	20-30												
	55/45	12/180																	
	60/40	10/200																	
933	50/50	10/180 12/160	69-79	—	3	53	20-40												
934	50/50	10/180	69-79	—	3	56	20-40												
939	70/30	10/180	30-40	—	3	52	30-45												
940	70/30	10/200	30-40	—	3	52	50-60												
941	70/30	10/180	30-40	—	3	56	35-50												
TGIC SYSTEMS – OUTDOOR																			
950	93/7	10/200	32-37	—	3	67	45-65												
951	93/7	10/200	32-37	—	3	62	40-60												
952	93/7	10/200	30-38	—	3	67	40-65												
953	93/7	10/200	30-40	—	3	60	30-50												
954	93/7	10/200	30-40	—	3	67	40-60												
955	93/7	10/200	30-40	—	3	65	40-60												
956	93/7	10/200	30-38	—	3	59	30-50												
957	93/7	10/200	30-38	—	3	59	30-50												
958	93/7	10/200	30-38	—	3	61	30-50												
959	93/7	10/200	30-40	—	3	60	45-65												
960	93/7	10/180	30-38	—	3	67	40-68												
961	90/10	10/200	45-52	—	3	67	20-35												
962	90/10	10/200	45-52	—	3	67	45-60												
963	93/7	15/200	30-40	—	3	65	40-60												
964	93/7	10/200	30-40	—	3	62	40-60												

Not Recommended

Good

Very Good

Excellent

Carboxylated & Hydroxylated Solid Polyester Resins

Product Code (PCR)	Technical Data							Properties												
	PCR / Hardener Ratio	Curing Time (min) / Curing Temp. (°C)	Acid Value (mg KOH/gr)	OH Value max. (mg KOH/gr)	Gardner Color Scale (50% in DMF)	Tg (°C) ASTM D3418-15	Viscosity @ 200 °C (Poise)	Overall Properties	Flow / Gloss	Gas Oven Res.	Mechanical Properties	Over-bake Res.	Chemical Res.	Weather Res.	Corrosion Res.	Non-Blooming	Texture Finishes	Economic Grade	Storage Stability	
URETHANE SYSTEMS - OUTDOOR																				
970	80/20	10/200	10	42-52	3	61	32-90													
971	87/13	10/200	10	29-36	3	69	110-180													
HAA SYSTEMS - OUTDOOR																				
900	95/5	10/180	30-40	—	3	64	35-55													
901	95/5	10/180	30-40	—	3	62	40-60													
902	95/5	10/180	30-40	—	3	60	30-45													
903	95/5	10/180	30-40	—	3	57	26-40													
906	95/5	10/180	30-40	—	3	59	30-50													
907	95/5	10/180	30-40	—	3	61	25-40													
908	88/12 92/8	10/180	65-80	—	3	62	20-40													

b. Liquid Saturated Polyester Resins

Product Code (SPE)	Technical Data				Application						
	Acid Value (max.) (mg KOH/gr)	Gardner Color Scale (max.)	Supply Form (2% ±)	Viscosity @ °C 23 (Poise)	Automotive OEM	Automotive Refinish	Can Coating	Coil Coating	Plastic Coating	General Ind.	Polymeric Plasticizer
HYDROXYLATED											
415	10	3	S1 / X 70	40-80							
435	8	3	X 70	29-44							
438	24	3	S1 / BG 70	27-42							
438	24	3	X 65	8.5-13							
465	10	3	S1 / IB 65	18-27							
466	10	3	S1 / IB 65	12.5-19							
467	10	3	S1 / IB 65	10-15.5							
478	12	3	X 70	23-31							
480	8	3	S2 / BG 60	78-118							
481	10	3	S2 / BG 60	78-118							
482	2	3	S2 / BG 60	45-65							
483	3	3	S2 / BG 60	5-10							
POLYOL											
468	2	3	BAC / X 80	10-20							
POLYMERIC PLASTICIZER											
488	5	4	%97≤	22-30							

c. Acrylic Resins

Product Code (AC)	Technical Data					Application						
	Acid Value (max.) (mg KOH/gr)	Gardner Color Scale (max.)	OH Content % (on Solid $\pm$ 0.2%)	Supply Form (2% $\pm$)	Viscosity @ 25°C (Poise)	Automotive OEM Coating	Automotive Refinish Coating	Plastic Coating	Protective Coating	Traffic Coating	Wood Coating	Architectural & Masonry Coating
THERMOPLASTIC ACRYLICS												
707	20	2	—	AW 402 / 60	30-70							
710	12	2	—	T 60	50-75							
711	12	2	—	T / X 60	90-100							
714	3	2	—	T 50	35-70							
715	3	3	—	T / X / MPA 50	20-35							
726	35	2	—	T / BAc 45	100-200							
749	10	2	—	MX 60	50-100							
750	8	2	—	T 60	70-90							
785	10	2	—	T 60	100-200							
POLYOL THERMOSET												
701	8	2	1	X / BAc 55	4-8							
706	10	2	1.8	X 55	4-8							
712	8	2	1.8	X / BAc 55	7-10.5							
736	12	2	4.2	BAc 70	30-70							
737	12	2	4.2	BAc 60	10-20							
746	10	2	2	BAc 50	45-90							
747	15	2	1.8	BAc 50	75-150							
748	13	2	2.1	BAc 50	45-90							
751	10	2	4.5	S1 / X / BAc 60	13-33							
753	12	2	4.2	X / MPA 60	21-36							
760	10	2	2.7	X 60	19-30							
762	12	2	2.7	BAc / EGa 61	40-85							
780	10	2	1.8	X 55	9-14							
782	12	2	1.8	X / BAc 55	6-14							
783	10	2	1.8	X 60	10-20							
786	8	2	3	S1 / X / BAc 60	14-21							
788	10	2	3.2	X 60	30-65							
792	10	2	1.8	X 55	7-14							
HYDROXYLATED THERMOSET												
730	15	2	—	S1 75	40-80							
738	10	2	1.7	X / Bu 52	5.5-13							
756	20	2	—	S1 65	20-35							
770	6	2	—	BAc / EGA 60	6-15							
771	12	2	—	S1 75	40-80							
772	7	2	—	X / BGAc / CH 70	5-11							
777	20	2	—	S1 / Bu 64	30-70							
795	12	3	—	S1 / X 74	25-50							
796	12	3	—	S1 / X 74	15-30							

Not Recommended

Very Good

Good

Excellent

d. Epoxy Curing Agents

Product Code (HA)	Technical Data				
	Acid Value (max.) (mg KOH/gr)	Gardner Color Scale (max.)	Supply Form (2% ±)	Viscosity (Poise)	H-Active
615	5	10	X 80	6-14 (X 60 @ 25°C)	193 (100%) & 240 (X 80)
620	3	12	X 80	50-90 (X 80 @ 25°C)	198 (100%) & 250 (X 80)
623	3	12	X 75	40-60 (X 75 @ 75 °C)	198 (100%) & 255 (X 75)
635	3	12	X 70	40-60 (X 70 @ 25°C)	198 (100%) & 283 (X 70)
640	3	10	100	1-3 (X 60 @ 25°C)	95 (100%)
641	3	10	100	4.5-5.5 (100% @ 75 °C)	100 (100%)

Properties			
Corrosion Res.	Long Pot Life	Chemical Res.	Storage & Shelf Life

Application				
Marine Coating	Protective Coating	Construction Coating	Solvent-free Coating	Epoxy Adhesives

e. Energy (UV & EB) / Free Radicals Curable Oligomers

EPOXY ACRYLATES																		
Product Code (UV)	Technical Data					Properties							Application					
	Acid Value <i>(max.) (mg KOH/gr)</i>	Gardner Color Scale <i>(max.)</i>	Supply Form <i>(2% ±)</i>	Viscosity @ 75°C <i>(Poise)</i>		Abrasion Res.	Chemical Res.	Scratch Res.	Weathering Res.	Hardness	Elasticity		Printing & Packaging				Industrial Coating	
330	10	4	% 100	10-20								Over Print Varnish	Offset Inks	Flexo Inks	Screen Inks	Metal	Plastic	Wood

POLYURETHANE ACRYLATES <i>(Aliphatic Aromatic)</i>																	
Product Code (UV)	Technical Data				Properties						Application						
	Acid Value <i>(max.) (mg KOH/gr)</i>	Gardner Color Scale <i>(max.)</i>	Supply Form <i>(2% ±)</i>	Viscosity @ 25°C <i>(Poise)</i>	Abrasion Res.	Chemical Res.	Scratch Res.	Weathering Res.	Hardness	Elasticity	Printing & Packaging				Industrial Coating		
											Over Print Varnish	Offset Inks	Flexo Inks	Screen Inks	Metal	Plastic	Wood
300	3	2	X / MPA 81	10-20													
301	3	12	HDDA 70	44-88													

EPOXY VINYL-ESTER ACRYLATES																	
Product Code (UV)	Technical Data				Properties						Application						
	Acid Value <i>(max.) (mg KOH/gr)</i>	Gardner Color Scale <i>(max.)</i>	Supply Form <i>(2% ±)</i>	Viscosity @ 75°C <i>(Poise)</i>	Abrasion Res.	Chemical Res.	Scratch Res.	Weathering Res.	Hardness	Elasticity	Printing & Packaging				Industrial Coating		
331	35	4	% 100	150-250							Over Print Varnish	Offset Inks	Flexo Inks	Screen Inks	Metal	Plastic	Wood

f. Water Reducible Resins

WATER DILUTABLE LIQUID POLYESTER RESINS									
Product Code (AQP)	Technical Data				Properties		Application		
	Acid Value (max.) (mg KOH/gr)	Gardner Color Scale (max.)	Supply Form (2% ±)	Viscosity @ °C 23 (Poise)	Corrosion Resistance	Mechanical Properties	General Industry	Automotive OEM Coating	Wood Coating
501	45-65	4	65 BG	35-70					

Water Dilutable Epoxy Ester Resins													
Product Code (AQE)	Technical Data				Properties				Application				
	Acid Value <i>(max.) (mg KOH/gr)</i>	Gardner Color Scale <i>(max.)</i>	Supply Form <i>(2% ±)</i>	Viscosity @ °C 23 <i>(Poise)</i>	Air Dry (Oxidative Curing)	Oven Cure	Corrosion Res.	Rapid Curing	Can Coating	General Ind.	Water Based Primer	Wood Coating	Plastic Coating
	502	45-65	6	70 BG	40-80								
503	45-65	6	70 BG	40-80									

4. APPLICATIONS

a. Automotive OEM Coatings

POLYESTER RESINS – HYDROXYLATED															
Product Code (SPE)	Technical Data				Properties							Application			
	Acid Value <i>(max.) (mg KOH/gr)</i>	Gardner Color Scale <i>(max.)</i>	Supply Form <i>(2% ±)</i>	Viscosity @ °C 23 <i>(Poise)</i>	Appearance / Gloss	Chemical Res.	Durability	Drying Speed / Hardness	Scratch Res.	Flexibility	CAB Compatibility	Primer	Base Coat	Clear Ccoat	Solid Color Topcoat
415	10	3	S1 / X 70	40-80											
435	8	3	X 70	29-44											
438	24	3	S1 / BG 70	27-42											
438	24	3	X 65	8.5-13											
466	10	3	S1 / IB 65	12.5-19											
467	10	3	S1 / IB 65	10-15.5											
468	12	3	X / BAc 80	10-20											
478	12	3	X 70	23-31											

ACRYLIC RESINS – HYDROXYLATED THERMOSET															
Product Code (AC)	Technical Data				Properties							Application			
	Acid Value <i>(max.) (mg KOH/gr)</i>	Gardner Color Scale <i>(max.)</i>	Supply Form <i>(2% ±)</i>	Viscosity @ 25°C <i>(Poise)</i>	Appearance / Gloss	Chemical Res.	Durability	Drying Speed / Hardness	Scratch Res.	Flexibility	CAB Compatibility	Primer	Base Coat	Clear Coat	Solid Color Topcoat
730	15	2	S1 75	40-80											
738	10	2	X / Bu 52	5.5-13											
751	10	2	S1 / X / BAc 60	13-33											
753	12	2	X / MPA 60	21-36											
756	20	2	S1 65	20-35											
770	6	2	BAc / EGA 60	6-15											
771	12	2	S1 75	40-80											
772	7	2	X / BGAc / CH 70	5-11											
777	20	2	S1 / Bu 64	30-70											
795	12	3	S1 / X 74	25-50											
796	12	3	S1 / X 74	15-30											

Not Recommended

Good

Very Good

Excellent

b. Automotive Refinish Coatings

ACRYLIC RESINS – POLYOL																
Product Code (AC & SPE)	Technical Data					Properties							Application			
	Acid Value (max.) (mg KOH/gr)	Gardner Color Scale (max.)	OH Content % (on Solid ± 0.2%)	Supply Form (2% ±)	Viscosity @ 25°C (Poise)	Appearance / Gloss	Chemical Res.	Durability	Drying Speed / Hardness	Scratch Res.	Flexibility	CAB Compatibility	Primer	Base Coat	Clear Coat	Solid Color Topcoat
701	8	2	1	X / BAc 55	4-8											
712	8	2	1.8	X BAc 55	7-10.5											
736	12	2	4.2	BAc 70	30-70											
737	12	2	4.2	BAc 60	10-17											
747	15	2	1.8	BAc 50	75-150											
753	12	2	4.2	X / MPA 60	36-21											
762	12	2	2.7	BAc / EGA 61	40-85											
780	10	2	1.8	X 55	9-14											
782	12	2	1.8	X / BAc 55	6-14											
786	8	2	3	S1/ X /BAc 60	14-21											
788	10	2	3.2	X 60	30-65											
751	10	2	4.5	S1/ X / BAc 60	13-33											

ACRYLIC RESINS – HYDROXYLATED THERMOSET													
770	6	2	3	BAc / EGA 60	6-15								
772	7	2	3.2	X / BGAc / CH 70	5-11								
738	10	2	1.7	X / Bu 52	5.5-13								

ACRYLIC RESINS – THERMOPLASTIC													
711	12	2	—	T / X 60	90-100								
714	3	2	—	T 50	35-70								
726	35	2	—	T / BAc 45	100-200								

POLYESTER RESINS – HYDROXYLATED													
415	10	3	—	S1 / X70	40-80								
435	8	3	—	X 70	29-44								
438	24	3	—	X 65	8.5-13								
468	12	3	—	X / BAc 80	10-20								

 Not Recommended
 Good

 Very Good
 Excellent

c. Coil Coatings

POLYESTER RESINS – HYDROXYLATED													
Product Code (SPE)	Technical Data					Properties				Application			
	Acid Value <i>(max.) (mg KOH/gr)</i>	Gardner Color Scale <i>(max.)</i>	Supply Form <i>(2% ±)</i>	Viscosity @ °C 23 <i>(Poise)</i>		Flexibility	Hardness	Weatherability		Primer	Top Coat	Back Coat	
	465	10	3	S1 / IB 65		18-27							
	478	12	3	X 70		23-31							
	480	8	3	S2 / BG 60		78-118							
	481	10	3	S2 / BG 60		78-118							
	482	2	3	S2 / BG 60		45-65							
	483	3	3	S2 / BG 60		5-10							

d. Can Coatings

POLYESTER RESINS – HYDROXYLATED													
Product Code (SPE)	Technical Data					Properties						Application	
	Acid Value <i>(max.) (mg KOH/gr)</i>	Gardner Color Scale <i>(max.)</i>	Supply Form <i>(2% ±)</i>	Viscosity @ °C 23 <i>(Poise)</i>		Flexibility	Hardness	Drying Speed	Sterilization	Wet on Wet		White Basecoat	Overprint Varnish
	480	8	3	S2 / BG 60	78-118								
	481	10	3	S2 / BG 60	78-118								
	482	2	3	S2 / BG 60	45-65								

e. Cold Traffic / Architectural / Masonry Coatings

ACRYLIC RESINS – THERMOPLASTIC											
Product Code (SPE)	Technical Data				Properties				Application		
	Acid Value <i>(max.) (mg KOH/gr)</i>	Gardner Color Scale <i>(max.)</i>	Supply Form <i>(2% ±)</i>	Viscosity @ °C 25 <i>(Poise)</i>	Durability	Hardness	Drying Speed	Oil Res.	Cold Traffic	Architectural Stone / Masonry	Cement / Swimming Pool
	707	20	2	AW 402 / 60	30-70						
	710	12	2	T 60	50-75						
	711	12	2	T / X 60	90-100						
	715	3	3	T / X / MPA 50	20-35						
	749	10	2	MX 60	50-100						
	750	8	2	T 60	70-90						
	785	10	2	T 60	100-200						

f. Wood Coatings

ACRYLIC RESINS – THERMOPLASTIC													
Product Code (AC)	Technical Data					Properties				Application			
	Acid Value <i>(max.) (mg KOH/gr)</i>	Gardner Color Scale <i>(max.)</i>	OH Content % <i>(on Solid ± 0.2%)</i>	Supply Form <i>(2% ±)</i>	Viscosity @ 25°C <i>(Poise)</i>	Durability	Hardness	Drying Speed	NC & CAB Comp.	Parquet	Furniture	Primer	Topcoat
	701	8	2	1	X / BAc 55	4-8							
	712	10	2	1.8	X 55	7-10.5							
	746	10	2	2	BAc 50	45-90							
	747	15	2	1.8	BAc 50	75-150							
	748	13	2	2.1	BAc 50	45-90							
	780	10	2	1.8	X 55	9-14							

g. Plastic Coatings

ACRYLIC RESINS – THERMOPLASTIC																		
Product Code (AC)	Technical Data						Properties							Application				
	Acid Value <i>(max.) (mg KOH/gr)</i>	Gardner Color Scale <i>(max.)</i>	OH Content % <i>(on Solid ± 0.2%)</i>	Supply Form <i>(2% ±)</i>	Viscosity @ 25°C <i>(Poise)</i>		Appearance / Gloss	Chemical Res.	Durability	Drying Speed / Hardness	Scratch Res.	Flexibility		CAB Compatibility	Primer	Base Coat	Clear Coat	Solid Color Topcoat
	714	3	2	—	T50		35-70											
	715	3	3	—	T / X / MPA 50		20-35											
	726	35	2	—	T / BAc 45		100-200											

ACRYLIC RESINS – POLYOL															
736	12	2	4.2	BAc 70	30-70										
737	12	2	4.2	BAc 60	10-17										
746	10	2	2	BAc 50	45-90										
747	15	2	1.8	BAc 50	75-150										
748	13	2	2.1	BAc 50	45-90										
751	10	2	4.5	S1/ X / BAc 60	13-33										
753	12	2	4.2	X / MPA 60	21-36										
780	10	2	1.8	X 55	9-14										
782	12	2	1.8	X / BAc 55	6-14										
783	10	2	1.8	X 60	10-20										
786	8	2	3	S1 / X / BAc 60	14-21										

POLYESTER RESINS – HYDROXYLATED / POLYOL																
415	10	3	—	S1 / X 70	40-80											
435	8	3	—	X 70	29-44											
438	24	3	—	S1/BG 70	27-42											
468	2	3	4.3	BAC / X 80	10-20											

h. Industrial Coatings

ACRYLIC RESINS – POLYOL																		
Product Code (AC)	Technical Data					Properties								Application				
	Acid Value <i>(max.) (mg KOH/gr)</i>	Gardner Color Scale <i>(max.)</i>	OH Content % <i>(on Solid ± 0.2%)</i>	Supply Form <i>(2% ±)</i>	Viscosity @ 25°C <i>(Poise)</i>	Gloss	Economical Grade	Hardness	Drying Speed	Chemical Res.	Flexibility	Durability	Adhesion	Agricultural / Earth Moving Equip	Construction	Commercial Transport	Protective	General
701	8	2	1	X / BAc 55	4-8													
706	8	2	1.8	X 55	4-8													
712	8	2	1.8	X BAc 55	7-10.5													
746	10	2	2	BAc 50	45-90													
753	12	2	4.2	X / MPA 60	21-36													
760	10	2	2.7	X 60	19-30													
762	12	2	2.7	BAc/EGA 61	40-85													
780	10	2	1.8	X 55	9-14													
782	12	2	1.8	X / BAc 55	6-14													
783	10	2	1.8	X 60	10-20													
786	8	2	3	S1 / X / BAc 60	14-21													
788	10	2	3.2	X 60	30-65													
792	10	2	1.8	X 55	7-14													

ACRYLIC RESINS – THERMOPLASTIC													
710	12	2	—	T60	50-75								

POLYESTER RESINS – HYDROXYLATED													
438	24	3	—	S1 / BG 70	27-42								
465	10	3	—	S1/ IB 65	18-27								
466	10	3	—	S1/ IB 65	12.5-19								

 Not Recommended
 Good

 Very Good
 Excellent



www.polyresinco.com
info@polyresinco.com
No. 267, Ostad Motahari Ave.
1586716714 Tehran, Iran
Tel: +98 (021) 88727200-3
Fax: +98 (021) 88727205