شركة رابغ للتكرير والبتروكيماويات
Rabigh Refining & Petrochemical Co.

بتـــرو رابـــغ
Petro Rabigh

POLYPROPYLENE

AR564

Polypropylene Block Copolymer for injection molding application

Description

AR564 is a polypropylene block copolymer intended for industrial applications. It has a medium melt flow and is formulated with nucleating agent to enhance the stiffness. Injection molding parts made from this resin exhibit good impact, high stiffness and good heat stability.

Applications

- Crates
- buckets
- Industrial applications
- Electrical appliances

Resin Properties	Unit	Test Method	Typical Value
MFR (230ºC/2.16Kg)	g/10min	ASTM D1238	24.5
Density	g/cm^3	ASTM D792 Method A	0.9
Mechanical Properties*			
Tensile Strength at Yield	MPa	ASTM D638	24
Tensile Strength at Break	MPa	ASTM D638	17
Flexural Modulus	MPa	ASTM D790	1290
Izod Impact, Notched 23 ºC	kJ/m^2	ASTM D256	8.0
Izod Impact, Notched -20 ºC	kJ/m^2	ASTM D256	5.0
Rockwell Hardness-R		ASTM D785	90
Thermal Properties*			
Vicat Softening Temperature @10N	ºC	ASTM D1525	151
Heat Deflection 0.45MPa	ºC	ASTM D648	109
Other			
Shrinkage MD/TD	%	SUMIKA	1.4/1.4
Flammability		UL94	HB

*Test specimen preparation Method: Pursuant to ASTM D4101

Processing conditions: Recommended melt temperature: 190 – 230 ºC

Storage and handling: AR564 should be stored in a dry cool place with adequate ventilation and protected from UV-light at temperature below 50 ºC. It is advisable to process polypropylene resins within 6 months after delivery.

Food Contact Compliance and other Regulations: Please visit Petro Rabigh website.

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