

POLYPROPYLENE

AR764

Polypropylene Block Copolymer for injection molding application

Description

AR764 is a polypropylene block copolymer intended for industrial applications. It has a medium melt flow and formulated with nucleating agent and anti-static. 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 (230°C/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	26
Tensile Strength at Break	MPa	ASTM D638	17
Flexural Modulus	MPa	ASTM D790	1430
Izod Impact, Notched 23 °C	kJ/m ²	ASTM D256	9.0
Izod Impact, Notched -20 °C	kJ/m ²	ASTM D256	6.0
Rockwell Hardness-R		ASTM D785	91
Thermal Properties*			
Vicat Softening Temperature @10N	°C	ASTM D1525	151
Heat Deflection 0.45MPa	°C	ASTM D648	124
Other			
Shrinkage MD/TD	%	SUMIKA	1.4/1.7
Flammability		UL94	HB

*Test specimen preparation Method: Pursuant to ASTM D4101

Processing conditions: Recommended melt temperature: 190 – 230 °C

Storage and handling: AR764 should be stored in a dry cool place with adequate ventilation and protected from UV-light at temperature below 50 °C. It is advisable to process polypropylene resins within 6 months after delivery.

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