

# POLYPROPYLENE

## AZ764

### Polypropylene Block Copolymer for injection molding application

#### Description

AZ764 is a polypropylene block copolymer intended for industrial & thin wall applications. It has a high melt flow and is 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
- Thin wall applications
- Industrial applications
- Electrical appliances

Resin Properties	Unit	Test Method	Typical Value
MFR (230°C/2.16Kg)	g/10min	ASTM D1238	39
Density	g/cm <sup>3</sup>	ASTM D792 Method A	0.9
<b>Mechanical Properties*</b>			
Tensile Strength at Yield	MPa	ASTM D638	25
Tensile Strength at Break	MPa	ASTM D638	18
Flexural Modulus	MPa	ASTM D790	1360
Izod Impact, Notched 23 °C	kJ/m <sup>2</sup>	ASTM D256	9.0
Izod Impact, Notched -20 °C	kJ/m <sup>2</sup>	ASTM D256	6.0
Rockwell Hardness-R		ASTM D785	85
<b>Thermal Properties*</b>			
Vicat Softening Temperature @10N	°C	ASTM D1525	150
Heat Deflection 0.45MPa	°C	ASTM D648	119
<b>Other</b>			
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:** AZ764 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.

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Kingdom of Saudi Arabia  
Petro Rabigh  
Marketing & Product Development  
Quality Assurance & Claim Handling Section  
Tel: +966 12 425 7189  
Fax: +966 12 425 8224  
www.petrorabigh.com