

# 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 <sup>3</sup>	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 <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	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.

Disclaimer: © Petro Rabigh. All information supplied by or on behalf of Petro Rabigh in relation to its products, whether in the nature of data, recommendations or otherwise, is supported by research and believed reliable, but Petro Rabigh assumes no liability whatsoever in respect of application, processing or use made of the provided information or products, or any consequence thereof. The user is solely responsible and liable with respect to the application, processing or use of the provided information or product, whose quality and other properties shall be verified, or any consequence thereof. No liability whatsoever shall attach to Petro Rabigh for any infringement of the rights owned or controlled by a third party in intellectual, industrial or other property by reason of the application, processing or use of the provided information or products by the user. To the extent the user is entitled to disclose and distribute this document, the user may forward, distribute, and/or photocopy this copyrighted document only if unaltered and complete, including all of its headers, footers, disclaimers, and other information.

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