

# POLYPROPYLENE

## AW564

### Polypropylene Block Copolymer for injection molding application

#### Description

AW564 is a polypropylene block copolymer intended for industrial application. It 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
- Batteries
- Industrial applications
- Electrical appliances
- Chair and seat bases

Resin Properties	Unit	Test Method	Typical Value
MFR (230°C/2.16Kg)	g/10min	ASTM D1238	9.0
Density	g/cm <sup>3</sup>	ASTM D792 Method A	0.9
Mechanical Properties*			
Tensile Strength at Yield	MPa	ASTM D638	28
Tensile Strength at Break	MPa	ASTM D638	15
Flexural Modulus	MPa	ASTM D790	1530
Izod Impact, Notched 23 °C	kJ/m <sup>2</sup>	ASTM D256	10
Izod Impact, Notched -20 °C	kJ/m <sup>2</sup>	ASTM D256	5.0
Rockwell Hardness-R		ASTM D785	96
Thermal Properties*			
Vicat Softening Temperature @10N	°C	ASTM D1525	153
Heat Deflection 0.45MPa	°C	ASTM D648	124
Other			
Shrinkage MD/TD	%	SUMIKA	1.4/1.6
Flammability		UL94	HB

\*Test specimen preparation Method: Pursuant to ASTM D4101

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

**Storage and handling:** AW564 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.