

SABIC PP 578P Polypropylene Homopolymer for Injection Molding

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Molded

Material Notes:

Product Description: PP 578P is a controlled rheology PP grade of medium molecular weight distribution suitable for injection molding applications. It gives consistent processability, good flow properties with excellent part filling and good gloss in the products. Typical

Applications: PP 578P can be used mainly for household articles, toys and thin walled items with good dimensional stability. Information provided by SABIC.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-PP-578P-Polypropylene-Homopolymer-for-Injection-Molding.php

Physical Properties	Metric	English	Comments
Density	0.905 g/cc	0.0327 lb/in ³	ASTM D792
Linear Mold Shrinkage	0.012 - 0.025 cm/cm	0.012 - 0.025 in/in	
Melt Flow	25 g/10 min @Load 2.16 kg, Temperature 230 °C	25 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	104	104	ASTM D785
Tensile Strength, Yield	36.0 MPa	5220 psi	ASTM D638
Elongation at Yield	11 %	11 %	ASTM D638
Flexural Modulus, 1% Secant	1510 MPa	219000 psi	ASTM D790A
Izod Impact, Notched	0.300 J/cm	0.562 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	96.0 °C	205 °F	ASTM D648
Vicat Softening Point	153 °C	307 °F	ASTM D1525B

Processing Properties	Metric	English	Comments
Processing Temperature	210 - 235 °C	410 - 455 °F	Barrel Temperature
Mold Temperature	15.0 - 40.0 °C	59.0 - 104 °F	

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