

Total PPR 7425 Polypropylene, Injection Molding Grade

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

Material Notes:

Random copolymer for injection molding. Clarity - FINA 7425, a random copolymer, exhibits excellent clarity when molded in polished molds. Impact - FINA 7425 produced molded parts with measurably improved impact compared with parts molded from polypropylene homopolymers. FDA - FINA 7425 complies with all applicable FDA regulations for food contact applications. Recommended Applications - FINA 7425 is recommended for injection molding medical devices and disposables, clear food containers and specialty housewares. Processing - FINA 7425 resin processes on conventional injection molding equipment with typical melt temperatures of 390-450°F (200-232°C). Data provided by the manufacturer, Total Petrochemicals. Total Petrochemicals acquired former Fina and Atofina plastics product lines.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Total-PPR-7425-Polypropylene-Injection-Molding-Grade.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ASTM D1505
Melt Flow	4.0 g/10 min	4.0 g/10 min	ASTM D1238L

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	85	85	ASTM D288A
Tensile Strength, Ultimate	22.1 MPa	3210 psi	ASTM D638
Elongation at Break	11 %	11 %	ASTM D638
Modulus of Elasticity	0.760 GPa	110 ksi	ASTM D638
Flexural Modulus	0.620 GPa	89.9 ksi	ASTM D790
Izod Impact, Notched	0.694 J/cm	1.30 ft-lb/in	ASTM D256A
Izod Impact, Unnotched	NB	NB	ASTM D256A
Impact Test	23.7 J @Thickness 3.17 mm	17.5 ft-lb @Thickness 0.125 in	Drop Impact, plaques. Fina API test

Thermal Properties	Metric	English	Comments
Melting Point	145 °C	293 °F	DSC
Deflection Temperature at 0.46 MPa (66 psi)	88.0 °C	190 °F	ASTM D648

Processing Properties	Metric	English	Comments
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Melt Temperature Processing Properties	200 - 232 °C Metric	392 - 450 °F English	Injection Comments
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Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China