

Total PPH 3480Z Polypropylene, Extrusion Grade

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Extrusion Grade

Material Notes:

Homopolymer Profile Extrusion Grade Process Stability --FINA 3480Z is formulated specifically to give excellent process stability in high profile extrusion. High Purity - Low catalyst residues in FINA 3480Z provide outstanding color, plus low taste and odor. Antistat - FINA 3480Z is formulated to minimize surface static build-up. FDA - FINA 3480Z complies with all applicable FDA regulations for food contact applications. Recommended Applications - FINA 3480Z is recommended for high speed profile extrusion for standard and flexible drinking straws. Processing - FINA 3480Z processes on conventional extrusion 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-PPH-3480Z-Polypropylene-Extrusion-Grade.php

Physical Properties	Metric	English	Comments
Density	0.905 g/cc	0.0327 lb/in ³	ASTM D1505
Melt Flow	4.8 g/10 min	4.8 g/10 min	ASTM D1238L

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	90	90	ASTM D288A
Hardness, Shore D	77	77	ASTM D1706
Tensile Strength, Ultimate	35.6 MPa	5160 psi	ASTM D638
Elongation at Break	>= 100 %	>= 100 %	ASTM D638
Elongation at Yield	10 %	10 %	ASTM D638
Modulus of Elasticity	1.515 GPa	219.7 ksi	ASTM D638
Flexural Modulus	1.38 GPa	200 ksi	ASTM D790
Izod Impact, Notched	0.265 J/cm	0.496 ft-lb/in	ASTM D256A
Izod Impact, Unnotched	12.7 J/cm	23.8 ft-lb/in	ASTM D256A

Thermal Properties	Metric	English	Comments
CTE, linear	100 µm/m-°C	55.6 µin/in-°F	ASTM D696
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Melting Point	165 °C	329 °F	DSC
Deflection Temperature at 0.46 MPa	107 °C	225 °F	ASTM D648

<small>(56 psi)</small> Thermal Properties	Metric	English	Comments
Processing Properties	Metric	English	Comments
Melt Temperature	200 - 232 °C	392 - 450 °F	Extrusion

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