

Total PPC 4280W Polypropylene, Impact Copolymer

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

ATOFINA 4280W polypropylene is a nucleated impact copolymer. 4280W has a low fluidity providing melt strength with excellent impact properties. It is nucleated for added stiffness and surface hardness. Application ATOFINA 4280W is designed to be particularly suited for profile and sheet extrusion, extrusion-thermoforming and heavy-duty injection molded applications. Information provided provided by 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-PPC-4280W-Polypropylene-Impact-Copolymer.php

Physical Properties	Metric	English	Comments
Density	0.905 g/cc	0.0327 lb/in ³	ASTM D1505
Melt Flow	1.3 g/10 min	1.3 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	24.8 MPa	3600 psi	ASTM D638
Elongation at Yield	7.0 %	7.0 %	ASTM D638
Flexural Modulus	1.31 GPa	190 ksi	ASTM D 790
Izod Impact, Notched	NB	NB	ASTM D256
	0.700 J/cm	1.31 ft-lb/in	ASTM D256
	@Temperature -20.0 °C	@Temperature -4.00 °F	
Charpy Impact Unnotched	0.800 J/cm ²	3.81 ft-lb/in ²	ASTM DIN53453
	@Temperature -20.0 °C	@Temperature -4.00 °F	
	NB	NB	ASTM DIN53453
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Melting Point	160 - 165 °C	320 - 329 °F	ATOFINA Method
Deflection Temperature at 0.46 MPa (66 psi)	93.0 °C	199 °F	ASTM D648
Vicat Softening Point	152 °C	306 °F	ASTM D1525

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