

Total PPC 4720 WZ Polypropylene, Impact Copolymer

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

ATOFINA 4720 is an impact copolymer. 4720 is characterized by a high fluidity offering a combination of ease of processing and good mechanical properties. Application ATOFINA 4720 has been formulated for the manufacture of thin-walled containers and household articles. 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-4720-WZ-Polypropylene-Impact-Copolymer.php

Physical Properties	Metric	English	Comments
Density	0.905 g/cc	0.0327 lb/in ³	ASTM D1505
Melt Flow	25 g/10 min	25 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	25.5 MPa	3700 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	1.00 J/cm	1.87 ft-lb/in	ASTM D256
	0.400 J/cm	0.749 ft-lb/in	ASTM D256
	@Temperature -20.0 °C	@Temperature -4.00 °F	
Charpy Impact Unnotched	0.900 J/cm ²	4.28 ft-lb/in ²	Notched/Unnotched not specified; ASTM DIN53453
	0.400 J/cm ²	1.90 ft-lb/in ²	Notched/Unnotched not specified; ASTM DIN53453
	@Temperature -20.0 °C	@Temperature -4.00 °F	

Thermal Properties	Metric	English	Comments
Melting Point	160 - 165 °C	320 - 329 °F	ATOFINA Method
Deflection Temperature at 0.46 MPa (66 psi)	88.0 °C	190 °F	ASTM D648
Vicat Softening Point	148 °C	298 °F	ASTM D1525

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