

Total PPC 4624WZ Polypropylene, Impact Copolymer

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

ATOFINA 4624WZ polypropylene is a nucleated impact copolymer, combining good fluidity and mechanical properties. 4624WZ is characterized by significantly improved resistance, while maintaining excellent antistatic properties and good processability. Application ATOFINA 4624WZ has been developed specifically for the injection molding of buckets, pails, toys, housewares and garden furniture. 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-4624WZ-Polypropylene-Impact-Copolymer.php

Physical Properties	Metric	English	Comments
Density	0.905 g/cc	0.0327 lb/in ³	ASTM D1505
Melt Flow	13 g/10 min	13 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	26.0 MPa	3770 psi	ASTM D638
Elongation at Yield	7.0 %	7.0 %	ASTM D638
Flexural Modulus	1.15 GPa	167 ksi	ASTM D 790
Izod Impact, Notched	2.00 J/cm	3.75 ft-lb/in	ASTM D256
	0.650 J/cm	1.22 ft-lb/in	ASTM D256
	@Temperature -20.0 °C	@Temperature -4.00 °F	
Charpy Impact Unnotched	1.90 J/cm ²	9.04 ft-lb/in ²	Notched/Unnotched not specified; ASTM DIN53453
	0.700 J/cm ²	3.33 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)	90.0 °C	194 °F	ASTM D648
Vicat Softening Point	148 °C	298 °F	ASTM D1525

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