

Total PPC 4824WZ Polypropylene, Impact Copolymer

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

ATOFINA 4824WZ is a nucleated impact copolymer. 4824WZ is characterized by improved stiffness and impact resistance, as well as low shrinkage and low warpage. It has been formulated for excellent antistatic properties. Application ATOFINA 4824WZ has been developed for high speed injection molding of thin-walled packaging 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-4824WZ-Polypropylene-Impact-Copolymer.php

Physical Properties	Metric	English	Comments
Density	0.905 g/cc	0.0327 lb/in ³	ASTM D1505
Melt Flow	40 g/10 min	40 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	25.5 MPa	3700 psi	ASTM D638
Elongation at Yield	6.0 %	6.0 %	ASTM D638
Flexural Modulus	1.17 GPa	170 ksi	ASTM D 790
Izod Impact, Notched	1.00 J/cm	1.87 ft-lb/in	ASTM D256
	0.440 J/cm	0.824 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	Notched/Unnotched not specified; ASTM DIN53453
	0.500 J/cm ²	2.38 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)	95.0 °C	203 °F	ASTM D648
Vicat Softening Point	148 °C	298 °F	ASTM D1525

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