

Multibase Multi-Pro® 5012 C Natural Polypropylene

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Forms: Pellets Processing Methods: Injection Molding Features: Gloss, Low Information provided by Multibase

Order this product through the following link:

http://www.lookpolymers.com/polymer_Multibase-Multi-Pro-5012-C-Natural-Polypropylene.php

Physical Properties	Metric	English	Comments
Density	1.32 g/cc	0.0477 lb/in ³	ASTM D792
Linear Mold Shrinkage	0.011 - 0.014 cm/cm	0.011 - 0.014 in/in	ASTM D955
Melt Flow	13 g/10 min @Load 2.16 kg, Temperature 230 °C	13 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	13.8 MPa	2000 psi	ASTM D638
Elongation at Break	170 %	170 %	ASTM D638
Flexural Strength	25.9 MPa	3750 psi	ASTM D790
Flexural Modulus	1.72 GPa	250 ksi	Method I (3 point load), Procedure B); ASTM D790
Izod Impact, Notched	2.30 J/cm	4.30 ft-lb/in	73°F; ASTM D256
Gardner Impact	18.08 J	13.33 ft-lb	ASTM D3029

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	120 °C	248 °F	Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	75.0 °C	167 °F	Unannealed; ASTM D648

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