

BASF Procom® D 1012 Polypropylene

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Molded

Material Notes:

Data was collected by ISO methods and provided by BASF.

Order this product through the following link:

http://www.lookpolymers.com/polymer_BASF-Procom-D-1012-Polypropylene.php

Physical Properties	Metric	English	Comments
Density	1.24 g/cc	0.0448 lb/in ³	
Linear Mold Shrinkage, Flow	0.010 cm/cm	0.010 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	33.0 MPa	4790 psi	
Elongation at Break	3.0 %	3.0 %	
Tensile Modulus	4.40 GPa	638 ksi	
Charpy Impact Unnotched	1.50 J/cm ²	7.14 ft-lb/in ²	
	0.800 J/cm ²	3.81 ft-lb/in ²	
	@Temperature -30.0 °C	@Temperature -22.0 °F	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	55.0 µm/m-°C	30.6 µin/in-°F	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Deflection Temperature at 0.46 MPa (66 psi)	130 °C	266 °F	
Deflection Temperature at 1.8 MPa (264 psi)	85.0 °C	185 °F	
Vicat Softening Point	105 °C	221 °F	

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