

BASF Procom® D 1158 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-1158-Polypropylene.php

Physical Properties	Metric	English	Comments
Density	1.08 g/cc	0.0390 lb/in ³	
Linear Mold Shrinkage, Flow	0.0080 cm/cm	0.0080 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	23.0 MPa	3340 psi	
Elongation at Break	30 %	30 %	
Tensile Modulus	1.95 GPa	283 ksi	
Charpy Impact Unnotched	NB	NB	
	4.50 J/cm ²	21.4 ft-lb/in ²	
	@Temperature -30.0 °C	@Temperature -22.0 °F	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	50.0 µm/m-°C	27.8 µin/in-°F	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Deflection Temperature at 0.46 MPa (66 psi)	97.0 °C	207 °F	
Deflection Temperature at 1.8 MPa (264 psi)	56.0 °C	133 °F	
Vicat Softening Point	55.0 °C	131 °F	

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