

BASF Procom® GC40S 402 Polypropylene

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

Material Notes:

Uses: Electrical appliance housings (e.g. drills), components requiring high impact and temperature resistance, furniture frames. Data was collected by ISO methods and provided by BASF.

Order this product through the following link:

http://www.lookpolymers.com/polymer_BASF-Procom-GC40S-402-Polypropylene.php

Physical Properties	Metric	English	Comments
Density	1.22 g/cc	0.0441 lb/in ³	
Linear Mold Shrinkage, Flow	0.0060 cm/cm	0.0060 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	75.0 MPa	10900 psi	
Elongation at Break	4.0 %	4.0 %	
Tensile Modulus	7.60 GPa	1100 ksi	
Charpy Impact Unnotched	6.00 J/cm ²	28.6 ft-lb/in ²	
	6.00 J/cm ²	28.6 ft-lb/in ²	
	@Temperature -30.0 °C	@Temperature -22.0 °F	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	25.0 µm/m-°C	13.9 µin/in-°F	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Deflection Temperature at 0.46 MPa (66 psi)	160 °C	320 °F	
Deflection Temperature at 1.8 MPa (264 psi)	147 °C	297 °F	
Vicat Softening Point	110 °C	230 °F	

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