

BASF Procom® GC30H 251 Polypropylene

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

Material Notes:

Uses: car and truck fans and shrouds, car rear light housings, car radiator expansion tanks, car grills, domestic appliance components (e.g. washing machine tanks, impellers housings, etc.), textile bobbins and chemical plant, 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-GC30H-251-Polypropylene.php

Physical Properties	Metric	English	Comments
Density	1.12 g/cc	0.0405 lb/in ³	
Linear Mold Shrinkage, Flow	0.0060 cm/cm	0.0060 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	80.0 MPa	11600 psi	
Elongation at Break	3.0 %	3.0 %	
Tensile Modulus	7.50 GPa	1090 ksi	
Charpy Impact Unnotched	3.50 J/cm ²	16.7 ft-lb/in ²	
	3.00 J/cm ²	14.3 ft-lb/in ²	
	@Temperature -30.0 °C	@Temperature -22.0 °F	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	30.0 µm/m-°C	16.7 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)	148 °C	298 °F	
Vicat Softening Point	144 °C	291 °F	
Flammability, UL94	HB	HB	
	@Thickness 0.750 mm	@Thickness 0.0295 in	

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