

## BASF Procom® C40H 455 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-C40H-455-Polypropylene.php](http://www.lookpolymers.com/polymer_BASF-Procom-C40H-455-Polypropylene.php)

Physical Properties	Metric	English	Comments
Density	1.24 g/cc	0.0448 lb/in <sup>3</sup>	
Linear Mold Shrinkage, Flow	0.013 cm/cm	0.013 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	22.0 MPa	3190 psi	
Elongation at Break	20 %	20 %	
Tensile Modulus	2.50 GPa	363 ksi	
Charpy Impact Unnotched	3.50 J/cm <sup>2</sup>	16.7 ft-lb/in <sup>2</sup>	
	1.00 J/cm <sup>2</sup>	4.76 ft-lb/in <sup>2</sup>	
	@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)	125 °C	257 °F	
Deflection Temperature at 1.8 MPa (264 psi)	75.0 °C	167 °F	

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