

- Polypropylene

Friday, June 30, 2017

General Information

General

Material Status	• Commercial: Active
Availability	• Asia Pacific
Filler / Reinforcement	• Calcium Carbonate, 40% Filler by Weight
Features	• UV Resistant
Uses	• Appliance Components • Industrial Applications
Appearance	• Colors Available
Forms	• Pellets
Processing Method	• Injection Molding

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.22		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	13	g/10 min	ASTM D1238
Molding Shrinkage - Flow	8.0E-3 to 0.010	in/in	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	3050	psi	ASTM D638
Tensile Elongation (Break)	77	%	ASTM D638
Flexural Modulus	284000	psi	ASTM D790
Flexural Strength	4930	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	0.49	ft-lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	244	°F	ASTM D648
Vicat Softening Temperature	298	°F	ASTM D1525 ²

Notes

¹ Typical properties: these are not to be construed as specifications.

² Loading 1 (10 N)

Teknor Apex Company
Corporate Headquarters
In U.S. for Vinyls, TPEs, Colorants, Engineered Thermoplastics (Chem Polymer)
 505 Central Avenue
 Pawtucket, Rhode Island 02861 U.S.
 Phone: 401-725-8000
 Fax: 401-725-8095
 Toll Free (U.S. only) 800-556-3864

Teknor Apex U.K. Ltd.
 Tat Bank Road
 Oldbury, West Midlands B69 4NH England
 Phone: (44) 121-665-2100
 Fax: (44) 121-544-5530
 etpsales@teknorapex.co.uk

info@teknorapex.com



Revision Date: 12/20/2015

The information and recommendations contained in this bulletin are, to the best of our knowledge, accurate and reliable but no guarantee of their accuracy is made. All products are sold upon condition that purchasers shall make their own tests to determine the suitability of such products for their particular purposes and uses and purchasers assume all risks and liability for the results of use of the products, including use in accordance with seller's recommendations. Nothing in this bulletin constitutes permission or a recommendation to practice or use any invention covered by any patent owned by this company or by others. There is no warranty of merchantability and there are no other warranties for the products described.