

Teknor Apex APEXÂ® RE 8003 Polyvinyl Chloride, Rigid

Category : Polymer , Thermoplastic , Vinyl (PVC) , PVC, High Impact , PVC, Rigid Grade

Material Notes:

Features: High Impact Resistance; Medium Gloss Processing Method: Extrusion Forms: Pellets Additional Information: Performance

Characteristics: Yellow Card, Interior, Medium Gloss, Excellent Finish Information Provided by Teknor Apex

Order this product through the following link:

http://www.lookpolymers.com/polymer_Teknor-Apex-APEX-RE-8003-Polyvinyl-Chloride-Rigid.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.44 g/cc	1.44 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	80	80	10 seconds; ASTM D2240
Tensile Strength at Break	44.9 MPa	6510 psi	ASTM D638
Tensile Strength, Yield	45.0 MPa	6520 psi	ASTM D638
Elongation at Break	54 %	54 %	ASTM D638
Elongation at Yield	3.1 %	3.1 %	ASTM D638
Tensile Modulus	2.38 GPa	345 ksi	ASTM D638
Flexural Modulus	2.68 GPa	389 ksi	ASTM D790
Izod Impact, Notched	7.47 J/cm @Thickness 3.17 mm, Temperature 22.8 Â°C	14.0 ft-lb/in @Thickness 0.125 in, Temperature 73.0 Â°F	Compression Molded; ASTM D256
Dart Drop Total Energy	103 J/cm @Thickness 3.17 mm, Temperature 22.8 Â°C	0.192 ft-lb/mil @Thickness 0.125 in, Temperature 73.0 Â°F	Procedure B, 0.250" Conical Dart; ASTM D4226

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	69.4 Â°C @Thickness 3.17 mm	157 Â°F @Thickness 0.125 in	Annealed; ASTM D648
Flammability, UL94	5VA	5VA	
	V-0 @Thickness 22.9 mm	V-0 @Thickness 0.900 in	

Descriptive Properties	Value	Comments
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Descriptive Properties

Value

Comments

Contact Songhan Plastic Technology Co.,Ltd.

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