

Teknor Apex Flexalloy® 3501-50-NT Polyvinyl Chloride Elastomer

Category : Polymer , Thermoplastic , Elastomer, TPE , Vinyl (PVC)

Material Notes:

Material Status-Commercial: ActiveAvailability-North AmericaTest Standards Available-ASTM Features: Ultra High MW, Ethylene Oxide SterilizableForms-PelletsProcessing-Extrusion, Injection MoldingAppearance-ClearInformation provided by Teknor Apex Company

Order this product through the following link:

http://www.lookpolymers.com/polymer_Teknor-Apex-Flexalloy-3501-50-NT-Polyvinyl-Chloride-Elastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.13 g/cc	1.13 g/cc	23°C; ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	50	50	15 seconds; ASTM D2240
Tensile Strength, Yield	3.17 MPa	460 psi	100%; ASTM D412
	8.27 MPa	1200 psi	3; ASTM D412
	11.0 MPa	1600 psi	ASTM D412
Elongation at Break	400 %	400 %	ASTM D412
Tear Strength Test	140	140	in psi, Die C; ASTM D624
Compression Set	14 %	14 %	73°F, 22 hr.; ASTM D395
	55 %	55 %	158°F, 22 hr.; ASTM D395
	63 %	63 %	212°F, 22 hr.; ASTM D395

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-52.0 °C	-61.6 °F	ASTM D746

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