

Teknor Apex Flexalloy® 3500-45 Polyvinyl Chloride Elastomer

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

Material Notes:

Material Status-Commercial: ActiveAvailability-North AmericaTest Standards Available-ASTM Features: Ultra High MWUses- Tubing, Pump PartsForms-PelletsProcessing- ExtrusionInformation provided by Teknor Apex Company

Order this product through the following link:

http://www.lookpolymers.com/polymer_Teknor-Apex-Flexalloy-3500-45-Polyvinyl-Chloride-Elastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.12 g/cc	1.12 g/cc	23°C; ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	45	45	15 seconds; ASTM D2240
Tensile Strength, Yield	2.55 MPa	370 psi	100%; ASTM D412
	8.48 MPa	1230 psi	ASTM D412
Elongation at Break	360 %	360 %	ASTM D412
Tear Strength, Total	599.4 N	134.8 lb (f)	Die C; ASTM D1004
Compression Set	12 %	12 %	73°F, 22 hr.; ASTM D395
	57 %	57 %	158°F, 22 hr.; ASTM D395
	65 %	65 %	212°F, 22 hr.; ASTM D395

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-55.0 °C	-67.0 °F	ASTM D746

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