

Teknor Apex Flexalloy® 3500-70 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-3500-70-Polyvinyl-Chloride-Elastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.18 g/cc	1.18 g/cc	23Â°C; ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	70	70	15 seconds; ASTM D2240
Tensile Strength, Yield	6.55 MPa	950 psi	100%; ASTM D412
	18.1 MPa	2620 psi	ASTM D412
Elongation at Break	330 %	330 %	ASTM D412
Tear Strength, Total	1087.8 N	244.55 lb (f)	Die C; ASTM D1004
Compression Set	19 %	19 %	73Â°F, 22 hr.; ASTM D395
	55 %	55 %	158Â°F, 22 hr.; ASTM D395
	60 %	60 %	212Â°F, 22 hr.; ASTM D395

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-42.0 Â°C	-43.6 Â°F	ASTM D746

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