

Teknor Apex Flexalloy® 9800-45 Polyvinyl Chloride Elastomer

Category : Polymer , Thermoplastic , Elastomer, TPE , Vinyl (PVC) , PVC, Wire and Cable Grade

Material Notes:

Material Status-Commercial: ActiveAvailability-North AmericaTest Standards Available-ASTM Features: Oil Resistant, Ultra High MWUses- Footwear, Tubing, Gaskets, Tools (Power/Others), Hose, Wire and Cable Applications, SealsForms-PelletsProcessing- Injection MoldingInformation provided by Teknor Apex Company

Order this product through the following link:

http://www.lookpolymers.com/polymer_Teknor-Apex-Flexalloy-9800-45-Polyvinyl-Chloride-Elastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.09 g/cc	1.09 g/cc	23Å°C; ASTM D792
Melt Flow	30 g/10 min	30 g/10 min	ASTM D1238
	@Load 5.00 kg, Temperature 177 Å°C	@Load 11.0 lb, Temperature 351 Å°F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	45	45	15 seconds; ASTM D2240
Tensile Strength, Yield	5.72 MPa	830 psi	ASTM D412
	6.29 MPa	913 psi	110% Retention; Oil Immersion, ASTM #3 oil, 125Å°C, 7 days
Elongation at Break	262.8 %	262.8 %	73% Retention; Oil Immersion, ASTM #3 oil, 125Å°C, 7 Days
	360 %	360 %	ASTM D412
Compression Set	36 %	36 %	158Å°F, 22 hr.; ASTM D395

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	205 Å°C	401 Å°F	>60 min.
Brittleness Temperature	-51.0 Å°C	-59.8 Å°F	ASTM D746

Descriptive Properties	Value	Comments
Swell	1.3%; Oil Immersion, ASTM #3 oil, 125Å°C, 7 days	

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