

Teknor Apex Flexalloy® 9800-55 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-9800-55-Polyvinyl-Chloride-Elastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.11 g/cc	1.11 g/cc	23Â°C; ASTM D792
Melt Flow	15 g/10 min	15 g/10 min	ASTM D1238
	@Load 5.00 kg, Temperature 177 Â°C	@Load 11.0 lb, Temperature 351 Â°F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	55	55	15 seconds; ASTM D2240
Tensile Strength, Yield	7.10 MPa	1030 psi	ASTM D412
	11.789 MPa	1709.8 psi	166% Retention; Oil Immersion, ASTM #3 oil, 125Â°C, 7 days
Elongation at Break	256 %	256 %	80% Retention; Oil Immersion, ASTM #3 oil, 125Â°C, 7 Days
	320 %	320 %	ASTM D412
Compression Set	71 %	71 %	158Â°F, 22 hr.; ASTM D395

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

Descriptive Properties	Value	Comments
Swell	-4.3%; Oil Immersion, ASTM #3 oil, 125Â°C, 7 days	

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