



Flexalloy® OR 9900-50

Teknor Apex Company - Polyvinyl Chloride Elastomer

General Information

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Oil Resistant	• Ultra High Molecular Weight	
Uses	• Footwear • Gaskets • Hose	• Power/Other Tools • Seals • Tool/Tote Box	• Tubing • Wire & Cable Applications
RoHS Compliance	• RoHS Compliant		
Forms	• Pellets		
Processing Method	• Extrusion		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.12		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	1320	psi	ASTM D638
Tensile Elongation (Break)	390	%	ASTM D638
Elastomers	Nominal Value	Unit	Test Method
Compression Set (158°F, 22 hr)	35	%	ASTM D395
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	50		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Continuous Use Temperature	194	°F	ASTM D794
Brittleness Temperature	-49.0	°F	ASTM D746

Additional Information

Swell, Oil Immersion, ASTM #3 oil, 125°C, 7 days: 0.5%
Dynamic Heat Stability, 205°C: 50 min

Notes

¹ Typical properties: these are not to be construed as specifications.