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FLEXALLOY® OR 9800-45

TEKNOR APEX

Teknor Apex Company - Polyvinyl Chloride Elastomer

Sunday, August 25, 2019

General Information					
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Material Status	Commercial: Active				
Availability	 Africa & Middle East Asia Pacific	EuropeLatin America	North America		
Features	Oil Resistant	Ultra High Molecular Weight			
Uses	FootwearGasketsHose	Power/Other ToolsSealsTool/Tote Box	TubingWire & Cable Applications		
RoHS Compliance	RoHS Compliant				
Forms	Pellets				
Processing Method	Injection Molding				

ASTM & ISO Properties ¹				
Physical	Nominal Value	Unit	Test Method	
Density / Specific Gravity	1.10		ASTM D792	
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	30	g/10 min	ASTM D1238	
Mechanical	Nominal Value	Unit	Test Method	
Tensile Strength (Break)	830	psi	ASTM D638	
Tensile Elongation (Break)	360	%	ASTM D638	
Elastomers	Nominal Value	Unit	Test Method	
Compression Set (158°F, 22 hr)	36	%	ASTM D395	
Hardness	Nominal Value	Unit	Test Method	
Durometer Hardness (Shore A, 15 sec)	45		ASTM D2240	
Thermal	Nominal Value	Unit	Test Method	
Continuous Use Temperature	194	°F	ASTM D794	
Brittleness Temperature	-59.8	°F	ASTM D746	

Elongation Retention, Oil Immersion, ASTM #3 oil, 125°C, 7 days: 73% Tensile Strength Retention, Oil Immersion, ASTM #3 oil, 125°C, 7 days: 110% Swell, Oil Immersion, ASTM #3 oil, 125°C, 7 days: 1.3% Dynamic Heat Stability, 205°C: >60 min

Notes

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

Revision Date: 12/12/2013

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