

Flexalloy® OR 9800-40

Polyvinyl Chloride Elastomer

Teknor Apex Company

Message:

Flexalloy® OR 9800-40 is a polyvinyl chloride elastomer (PVC elastomer) material. This product is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific. The processing method is injection molding.

Flexalloy® The main features of OR 9800-40 are:

- ROHS certification
- high molecular weight
- chemical resistance

Typical application areas include:

- Hose
- Wire and cable
- engineering/industrial accessories
- Tools
- Sealing applications

General Information			
Features	Ultra high molecular weight		
	Oil resistance		
Uses	Wire and cable applications		
	Washer		
	Power/other tools		
	Tools/Parts Box		
	Pipe		
	Pipe fittings		
	Seals		
	Footwear		
RoHS Compliance	RoHS compliance		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.08	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	7.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	40		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	4.59	MPa	ASTM D638
Tensile Elongation (Break)	320	%	ASTM D638
Elastomers	Nominal Value	Unit	Test Method
Compression Set (70°C, 22 hr)	34	%	ASTM D395

Thermal	Nominal Value	Unit	Test Method
Continuous Use Temperature	60.0	°C	ASTM D794
Brittleness Temperature	-54.0	°C	ASTM D746

Additional Information

Elongation Retention , Oil Immersion, ASTM #3 oil, 125°C, 7 days: 97%Tensile Strength Retention , Oil Immersion, ASTM #3 oil, 125°C, 7 days: 200%Swell, Oil Immersion, ASTM #3 oil, 125°C, 7 days: 3%Dynamic Heat Stability, 205°C: >60 min

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