

P & P Technology A320C UL Neoprene/EPDM

Category : Polymer , Thermoset , Rubber or Thermoset Elastomer (TSE)

Material Notes:

SAE J18 Specification: 2C2 ASTM Specification: 2C2 (1985&91). SCE42 (1967&68). RE42E1 (1978) Flame Resistance: Pass UL94V-0, HBF, HF-1**, GM609OMB4,A FMVSS302 Pass @ 0.8mm.IMDS Node ID: 13900758 Information provided by P & P Technology

Order this product through the following link:

http://www.lookpolymers.com/polymer_P-P-Technology-A320C-UL-NeopreneEPDM.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.0864 - 0.1056 g/cc	0.0864 - 0.1056 g/cc	
Water Absorption	<= 0.050 %	<= 0.050 %	
	0.10 %	0.10 %	Allowed
Deformation	25 % @Pressure 0.00345 - 0.0621 MPa	25 % @Pressure 0.500 - 9.01 psi	

Mechanical Properties	Metric	English	Comments
Hardness, Shore OO	50	50	
Tensile Strength	>= 0.827 MPa	>= 120 psi	
Elongation at Break	>= 150 %	>= 150 %	
Compression Set	<= 12.5 %	<= 12.5 %	D3575; 0.5
	<= 25 %	<= 25 %	D1056; 0.5

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	110 °C	230 °F	
Minimum Service Temperature, Air	-42.0 °C	-43.6 °F	
Flammability, UL94	V-0	V-0	
Shrinkage	<= 5.0 % @Temperature 70.0 °C, Time 605000 sec	<= 5.0 % @Temperature 158 °F, Time 168 hour	Heat Ageing Lineal

Descriptive Properties	Value	Comments
Fluid Immersion	<250%	ASTM E, Fuel B

Heat Aging Max Change Descriptive Properties	305 Value	7 days @ 70°C Comments
Ozone Resistance Rating	0'	72 hrs @ 50pphm, ASTM D1171

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