

Vicone High Performance Rubber VicoSeal™ 003R-BK High Performance EPDM Rubber

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

Material Notes:

Two Material Product:Material 1: VicoSeal™ 003R-30 DUROMaterial 2: 11 ga CRS yellow anodized natural rubber vulcanized to yellow anodized steel (RoHS Approved)Information provided by Vicone

Order this product through the following link:

http://www.lookpolymers.com/polymer_Vicone-High-Performance-Rubber-VicoSeal-003R-BK-High-Performance-EPDM-Rubber.php

Physical Properties	Metric	English	Comments
Density	1.0733 g/cc	0.038775 lb/in ³	ASTM D3165

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	20	20	ASTM D2240
	21	21	
	@Treatment Temp. 70.0 °C, Time 252000 sec	@Treatment Temp. 158 °F, Time 70.0 hour	Heat Aging; ASTM D573
Tensile Strength, Yield	7.60 MPa	1100 psi	ASTM D412
	4.90 MPa	711 psi	
	@Treatment Temp. 70.0 °C, Time 252000 sec	@Treatment Temp. 158 °F, Time 70.0 hour	Heat Aging; ASTM D573
Elongation at Break	705.6 %	705.6 %	ASTM D412
	632.92 %	632.92 %	
	@Treatment Temp. 70.0 °C, Time 252000 sec	@Treatment Temp. 158 °F, Time 70.0 hour	Heat Aging; ASTM D573
Compressive Modulus	0.000220 GPa	0.0319 ksi	
	@Strain 5.00 %	@Strain 5.00 %	
	0.000340 GPa	0.0493 ksi	
	@Strain 10.0 %	@Strain 10.0 %	
	0.000550 GPa	0.0798 ksi	
	@Strain 20.0 %	@Strain 20.0 %	
	0.000740 GPa	0.107 ksi	
	@Strain 25.0 %	@Strain 25.0 %	

Mechanical Properties	Metric	English	Comments
Compression Set	@Temperature 70.0 °C, Time 79200 sec	@Temperature 158 °F, Time 22.0 hour	ASTM D395

Descriptive Properties	Value	Comments
Color	Black	

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