

Garlock 509 Butyl Sheet Rubber

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

Material Notes:

Style #509 is a branded, chloro-butyl sheet rubber product. Information provided by Garlock Rubber Technologies

Order this product through the following link:

http://www.lookpolymers.com/polymer_Garlock-509-Butyl-Sheet-Rubber.php

Physical Properties	Metric	English	Comments
Oil Absorption	10 % @Temperature 150 Å°C, Time 252000 sec	10 % @Temperature 302 Å°F, Time 70.0 hour	Oil Immersion Test No. 3; ASTM D471

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	55 - 65	55 - 65	
	70 - 80 @Treatment Temp. 125 Å°C, Time 252000 sec	70 - 80 @Treatment Temp. 257 Å°F, Time 70.0 hour	Heat Aged
Tensile Strength	>= 10.3 MPa	>= 1500 psi	
	12.4 MPa	1800 psi	Typical
Elongation at Break	>= 350 %	>= 350 %	
	>= 300 % @Treatment Temp. 125 Å°C, Time 252000 sec	>= 300 % @Treatment Temp. 257 Å°F, Time 70.0 hour	Heat Aged; ASTM D573
Compression Set	60 % @Temperature 100 Å°C, Time 79200 sec	60 % @Temperature 212 Å°F, Time 22.0 hour	ASTM D395

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	149 Å°C	300 Å°F	
Minimum Service Temperature, Air	-34.4 Å°C	-30.0 Å°F	

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