

Guarniflon SC 1600 Polytetrafluoroethylene Seal

Category : Polymer , Thermoplastic , Fluoropolymer , PTFE

Material Notes:

SC series is a superior and unique material for gasket (flat Sealing) applications. The overall benefits of Guarniflon SC series over that of both conventional PTFE and competitive PTFE/filler blends are found in the areas of environmental improvement (they are asbestos free) and overall cost saving. Main applications in the chemical, petrochemical, pharmaceutical, food, paper industries, etc. Complies with FDA specifications. Information provided by Guarniflon®

Order this product through the following link:

http://www.lookpolymers.com/polymer_Guarniflon-SC-1600-Polytetrafluoroethylene-Seal.php

Physical Properties	Metric	English	Comments
Density	1.60 g/cc	0.0578 lb/in ³	ASTM D792

Mechanical Properties	Metric	English	Comments
Creep Strength	0.0700 MPa	10.2 psi	DIN 28090-2
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	0.0500 MPa	7.25 psi	DIN 28090-2
	@Temperature 150 °C, Time 57600 sec	@Temperature 302 °F, Time 16.0 hour	
Compressive Modulus	0.00500 GPa	0.725 ksi	DIN 28090-2
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	0.00640 GPa	0.928 ksi	DIN 28090-2
	@Temperature 150 °C, Time 57600 sec	@Temperature 302 °F, Time 16.0 hour	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	260 °C	500 °F	
Minimum Service Temperature, Air	-200 °C	-328 °F	

Chemical Properties	Metric	English	Comments
Critical Pressure	80.0 bar	60000 torr	max

Descriptive Properties	Value	Comments
Color	Light Blue	
Compression Creep, MPa	14	150°C, 30 N/mm ³

Leakage with Nitrogen, cm ³ /min Descriptive Properties	0.02 Value	DIN 3535 Comments
Leakage, mg/s*m	<.01	DIN 28090-2
max P x T , bar °C	11000	
Recovery, mm	0.07	DIN 28090-2

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