

Guarniflon SC 1100 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. Information provided by Guarniflon®

Order this product through the following link:

http://www.lookpolymers.com/polymer_Guarniflon-SC-1100-Polytetrafluoroethylene-Seal.php

Physical Properties	Metric	English	Comments
Density	2.20 g/cc	0.0795 lb/in ³	ASTM D792

Mechanical Properties	Metric	English	Comments
Creep Strength	0.0300 MPa	4.35 psi	DIN 28090-2
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	0.0400 MPa	5.80 psi	DIN 28090-2
	@Temperature 150 °C, Time 57600 sec	@Temperature 302 °F, Time 16.0 hour	
Compressive Modulus	0.00220 GPa	0.319 ksi	DIN 28090-2
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	0.00900 GPa	1.31 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 Green, MPa Descriptive Properties	14 Value	150A°C, 30 N/mmA² Comments
Leakage with Nitrogen, cmÂ³/min	0.01	DIN 3535
Leakage, mg/s*m	<.001	DIN 28090-2
max P x T , bar Â°C	12000	
Recovery, mm	0.08	DIN 28090-2

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