

Parker Chomerics ParPHorm® S1945-25 Non-Conductive Form-in-Place Gasket

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

Material Notes:

Description: A range of conductive particle technologies combined with thermoset and RTV silicone systems provide a material selection for most opportunities. Multiple filler grades balance material cost versus performance and can provide low cost alternatives for less demanding applications. Chomerics corrosion resistant materials inherently provide protection against galvanic activity. They may eliminate the need for nickel or tin plating and or secondary environmental gaskets. Chomerics general purpose materials exhibit excellent electrical and mechanical properties on metallic and shield plastic housing. Chomerics silver filled materials provide high shielding and conductivity critical for inter-compartmental shields. **Features:** Lower deflection forces and a broad deflection range, Corrosion resistant materials can eliminate plating or secondary environmental gasket, Good adhesion to many substrates, Supply chain management providing ongoing logistics, and Low cost and rapid prototyping. Information provided by Chomerics

Order this product through the following link:

http://www.lookpolymers.com/polymer_Parker-Chomerics-ParPHorm-S1945-25-Non-Conductive-Form-in-Place-Gasket.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.780 g/cc	0.780 g/cc	ASTM D297

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	25	25	ASTM D2240
Tensile Strength	>= 1.91 MPa	>= 277 psi	ASTM D412
Elongation at Break	316 %	316 %	ASTM D412
Compression Set	21 %	21 %	ASTM D395
	@Temperature 70.0 °C, Time 252000 sec	@Temperature 158 °F, Time 70.0 hour	
	42 %	42 %	25% deflection; ASTM D395
	@Temperature 100 °C, Time 252000 sec	@Temperature 212 °F, Time 70.0 hour	

Processing Properties	Metric	English	Comments
Cure Time	1800 min	30.0 hour	Tack Free Time
	@Temperature 140 °C	@Temperature 284 °F	
	1800 min	30.0 hour	Handling Time
	@Temperature 140 °C	@Temperature 284 °F	
	1800 min	30.0 hour	Full Cure

Processing Properties	@Temperature 140 °C Metric	@Temperature 284 °F English	Comments
Descriptive Properties	Value		Comments
Color	Dark Grey		
Resin System	Silicone		

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