

Hanna Rubber Company



PTFE O-Ring Data Sheet

ORIGINAL PROPERTIES				
Properties	ASTM Designation	Test Method	Unit of Measure	TEF Compound Property
Durometer	-	-	Shore D	54-60
Tensile Strength			MPa	>20.0
Elongation at Break			%	>200%
Specific Gravity			g/cm ³	1.24

MECHANICAL PROPERTIES				
Properties	ASTM Designation	Test Method	Unit of Measure	TEF Compound Property
Deformation Under Load	-	140kg/cm ² 24hrs @ 23°C	%	5.0 to 5.5
Permanent Deformation		24hrs @ °C	%	12.0 to 13.0
Coefficient of Linear Thermal Expansion		T=25-100°C	10 ⁻⁵ /0°C	12.0 to 13.0
Volume Resistivity		-	ohm*cm	10 ¹⁸
Dielectric Strength @ 0.5mm Thickness		-	kV/mm	>40
Dynamic Coefficient of Friction		-	-	0.06

Compound Features:

- Chemically Inert.
- Impervious to virtually all fluids and gasses.
- Lowest coefficient of friction for sealing materials.
- Low moisture absorption.
- Handles extreme high and low temperatures.
- Good wear resistance.

Temperature Range:

-100°F to +500°F (-73.3°C to +260°C)

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908 West 25th Street
Kansas City, MO 64108

www.hannarubber.com 816-221-9600 sales@hannarubber.com