

Specification Sheet

Description: Thermoplastic Polyurethane-Water Resist.
Material: Rhinothane P03/000

Property	Spec	Value
Hardness	DIN 53505	95A
Hardness	DIN 53505	49D
Density	DIN 53479	1.22 g/cm ³
Tensile Strength	DIN 53504	51 N/mm ²
Ultimate Elongation	DIN 53504	440%
20% Modulus	DIN 53504	10 N/mm ²
100% Modulus	DIN 53504	12 N/mm ²
300% Modulus	DIN 53504	22 N/mm ²
Elasticity	DIN 53512	35%
Tear Strength	DIN 53507	72 N/mm ²
Abrasion	DIN 53516	28mm ³
Impact Resilience	DIN 53512	29%
Compression Set 70C 24 Hrs	DIN 53517	28%
Compression Set 100C 24hrs	DIN 53517	-
Brittle Point	DIN 53479	-
Minimum Service Temp.		-35° C -31° F
Maximum Service Temp.		110° C 230° F
Maximum Service Temp. - Water		82° C 180° F
Maximum Service Temp. - Water/Glycol		65° C 150° F
Color		RED

Description:

Thermoplastic Polyurethane (Water Resistant) is suitable for use in high pressure hydraulic sealing applications. The material is extremely wear and extrusion resistant. This compound has been stabilized to prevent deterioration in water based fluids and therefore is recommended in hydraulic applications where water and water based fluids are being used; mining, tunnel construction, food industry, and press manufacturers. Seals can be manufactured in most all profiles and shapes using this hydrolysis resistant material.