

Brandonite® 1000-75D

PRODUCT DESCRIPTION

Brandonite® 1000-75D is a high performance polyurethane product combining the properties of high tensile strength, outstanding low-temperature flexibility, elasticity, and excellent resistance to wear and hydrolytic degradation.

SAMPLE APPLICATIONS

Brandonite® 1000-75D is well suited for numerous end use applications. Typical uses include a variety of cast components being used in marine and other industrial applications.

Brandonite® 1000-75D is optimized to offer the following physical and mechanical properties:

PROPERTIES	TEST METHOD	UNIT OF MEASURE	RESULT
Specific Gravity	ASTM D 792	sp gr 23/23°C	1.190
Shore Hardness	ASTM D 2240	D Scale	75
Tensile Strength	ASTM D 412	psi (MPa)	9,500 (66.5)
Elongation at Break	ASTM D 412	%	180
100% Modulus	ASTM D 412	psi (MPa)	6,400 (44.1)
Tear Strength	ASTM D 470	psi (MPa)	110 (19.3)
Brittleness Temperature	ASTM D 1044	°F (°C)	-85 (-65)
Flammability Performance (0.49 in./12.45mm)	UL94	N/A	V-0
Compression Set, Method A 1350 psi for 22 hours at 158°F/70°C	ASTM D 395	%	2.0
Bashore Rebound	ASTM D 2632	%	63

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