

## Brandonite® 1000-90A

### PRODUCT DESCRIPTION

**Brandonite® 1000-90A** Polyurethane based thermosetting elastomer combines the properties of high tensile strength, high resilience, low compression set, and excellent resistance to abrasion, oxidation and ozone.

### Applications

**Brandonite® 1000-90A** is well suited for numerous end use applications. Typical applications include casters, couplings, sleeves, gears, rollers, tubing and other industrial components.

**Brandonite® 1000-90A** 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	1.200
Shore Hardness	ASTM D 2240	A Scale	90
Tensile Strength	ASTM D 412	psi (MPa)	6,500 (45)
Elongation at Break	ASTM D 412	%	450
Young's Modulus	ASTM D 412	psi (MPa)	4,500 (31)
Tear Strength	ASTM D 470	lb/in	110
Compression Set, Method B	ASTM D 395	%	30
Coefficient of Friction*	ASTM D 1894	N/A	2.50@10 psi 0.80@250psi

\* Run as a thrust washer at constant velocity of 10 fpm against carbon steel, with 16 mm finish

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