

## Brandonite® 1011-85D

### PRODUCT DESCRIPTION

**Brandonite® 1011-85D** is a flame retardant, high-performance polyurethane product combining the properties of high rigidity, outstanding tensile strength, and excellent resistance to wear, hydrolytic degradation and flammability.

### APPLICATIONS

**Brandonite® 1011-85D** is well suited for numerous end use applications. Typical uses include a variety of cast components being used in appliances, electronics, and computer, automotive and medical industries.

**Brandonite® 1011-85D** is specially formulated to provide the following physical and mechanical properties:

PROPERTIES	TEST METHOD	UNIT OF MEASURE	RESULT
Specific Gravity	ASTM D 792	sp gr 23/23°C	1.260
Shore Hardness	ASTM D 2240	D Scale	85
Tensile Strength	ASTM D 412	psi (MPa)	10,000 (68)
Elongation at Break	ASTM D 412	%	7
Flexural Modulus	ASTM D 790	psi (MPa)	400,00 (2,760)
Flexural Strength	ASTM D 790	psi (MPa)	13,000 (90)
Heat Deflection Temperature (264 psi Load)	ASTM D 648	°F (°C)	135 (57)
Notched Impact Strength 20°C/50% RH	ASTM D 256-06	ft. lb./in.	1.0
Flammability Performance	UL 94	N/A	V-0

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