

Brandonite® 9011-90D

Product Description

Brandonite® 9011-90D is a glass fiber reinforced and impact modified Polyarylamide based composite combining the properties of high rigidity, excellent impact resistance and outstanding toughness and dimensional stability.

Applications

Brandonite® 9011-90D is well suited for numerous end use applications. Typical applications include a variety of components being used in appliance, electronics, and electrical and other industries.

Brandonite® 9011-90D 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	1.600
Shore Hardness	ASTM D 2240	D Scale	90
Tensile Strength	ASTM D 412	MPa/psi	235/34,075
Elongation at Break	ASTM D 412	%	2.6
Flexural Modulus	ASTM D 790	MPa/kpsi	17,000/2,465
Flexural Strength	ASTM D 790	MPa/psi	335/48,600
Impact Strength, Notched Izod (23°C/50% RH)	ASTM D 256	J/m (ft-lb/in)	120 (2.3)
Flammability	UL94	N/A	HB
Limiting Oxygen Index	ISO 4589	%	25
Heat Deflection Temperature	ISO 75A	°C/°F	220 (428)

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