

Boulden B-Series

B-100



B-100 is a proprietary thermoplastic blend with run dry performance and ability to handle abrasive media up to 120°F.

B-100 Typical Properties

Property	Unit of Measure	Test Method	Typical Values
Color			Brown
Specific Gravity		ASTM D-792	2.00
Hardness	Shore D	ASTM D-2240	68
Mechanical (x-y direction)			
Flexural Strength	ksi (MPa)	ASTM D-790	TBD
Flexural Modulus	ksi (MPa)	ASTM D-790	TBD
Tensile Strength	ksi (MPa)	ASTM D-3039	TBD
Tensile Modulus	ksi (MPa)	ASTM D-3039	TBD
Compressive Strength	ksi (MPa)	ASTM D-695	1.61 (11.1)
Compressive Modulus	ksi (MPa)	ASTM D-695	176 (1,210)
Thermal			
Coefficient of Thermal Expansion	10 ⁻⁶ in/in/°F (10 ⁻⁶ m/m/°C)	CTM	60.0 (108.0)
Maximum Service Temperature	°F (°C)	UL 746B	120 (50)

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