

Brandonite® 1000-70D

PRODUCT DESCRIPTION

Brandonite® 1000-70D is a polyurethane based elastomer combining the properties of very good flexibility, outstanding impact strength, and excellent wear resistance.

APPLICATIONS

Brandonite® 1000-70D is well suited for numerous end use applications. Its' excellent surface quality and high impact resistance make it a good candidate for agricultural equipment, heavy-duty trucks, tote boxes, specialty transportation and marine applications.

Brandonite® 1000-70D 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	1.040
Shore Hardness	ASTM D 2240	D Scale	70
Tensile Strength	ASTM D 412	psi (MPa)	4,000 (27.6)
Elongation at Break	ASTM D 412	%	140
Flexural Modulus	ASTM D 790	psi (MPa)	45,000 (310.3)
Tear Strength (Die C)	ASTM D 624	lb./inch	670
Notched Impact Strength (23°C/50% RH)	ASTM D 256	ft. lb./inch	7
Coefficient of Linear Thermal Expansion	ISO 11359	10 ⁻⁶ /k	61

Brandonite® is a registered trademark of Globe Composite Solutions, Ltd. (“GCS”). GCS makes no representation on the use of Brandonite® materials. The recommendations and specifications contained herein are based on results believed to be accurate and reliable. However, GCS does not warrant or imply any guarantee that the results are reproducible by others under the same or different conditions. GCS makes no express or implied warranty concerning the suitability of this product for other applications. It is the responsibility of the users to determine that this product is suitable for the intended use.

Rev. 06/07