

Brandonite® 6000-95A

Brandonite® 6000-95A is a high-temperature, high-performance polyurethane product combining the properties of excellent thermal and hydrolytic stabilities, and outstanding resilience and dynamics.

Brandonite® 6000-95A is well suited for numerous end use applications where load, speed, extreme temperature, hydrolytic stability and solvent/oil resistance are required. It can retain its strength up to 150°C even after three weeks of exposure at 150°C.

Brandonite® 6000-95A 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	1.210
Shore Hardness	ASTM D 2240	A Scale	95
Tensile Strength	ASTM D 412	psi (MPa)	7,600 (53)
Elongation at Break	ASTM D 412	%	550
100% Modulus	ASTM D 412	psi (MPa)	1,580 (11)
300% Modulus	ASTM D 412	psi (MPa)	2,600 (18)
Tear Strength – Split	ASTM D 470	psi (MPa)	150 (27)
Storage Modulus (G') (86 °F/30 °C)	ASTM D 5026	Mdynes/cm2 sec	325
Tangent Delta (86 °F/30 °C)	ASTM D 5026		0.22
Compression Set, Method B 1350 psi for 22 hours at 158 °F/70°C	ASTM D 2632	%	33

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