

ENSITUF

Properties

- Tough, rigid polyurethane with good abrasion resistance.
- Resistant to dilute acids, alkalis, oil etc.
- Suitable for a wide range of applications including plugs, assembly jigs, bearings, wear strips, guides.

TECHNICAL DATA

Property	Units	ASTM Test Method	Value
Flexural strength	MPa	D-790	62
Flexural modulus	MPa	D-790	1,450
Tensile Strength	MPa	D-638	45
Heat deflection temperature [264 psi load]	°C	D-648	107
Impact strength, Notched Izod, 20°C -40°C	ft.lb. / in (J/m)	D-256	0.7 (37) 0.6 (32)
Impact strength, Unnotched Izod, 20°C -40°C	ft.lb. / J/m.	D-256	10 (530) 10 (530)
Specific gravity		D-792	1.12
Hardness 20°C 70°C 100°C	Shore D	- - -	79 77 73
Hardness 20°C	Rockwell R	D-785	115
Elongation at break	%	D-638	12
Volume resistivity	ohm-cm	D 257	26 X10 ¹⁴
Dielectric strength	volts/mil	D 149	490
Dissipation factor 10 ² Hz 10 ³ Hz 10 ⁶ Hz			0.12 0.019 0.018

This is general information and should only be used as a guide. It corresponds with our current knowledge and indicates our products and possible applications. We cannot give a legally binding guarantee of certain properties or the suitability for a specific application. Existing commercial patents must be observed.

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