PT8958

URETHANE CASTING MATERIAL SPECIFICATIONS

Highlights

- MR Transparent - the material will not image at 1.5 T in proton signal testing, with one test site showing no proton of magnetic susceptibility at both 1.5 and 3.0 T
- UL 94 V-0 Certified (flammability testing) per IEC 60695 11-10

Applications

- Non hand-held equipment for the MRI coil industry
- Products requiring a UL 94 V-0 flammability rating

TYPICAL PHYSICAL PROPERTIES

MECHANICAL PROPERTIES	TEST METHOD	ENGLISH	METRIC
Color/Appearance	Visual	Clear Light Amber	Clear Light Amber
Compressive Modulus	ASTM D695	401,980 psi	2,771 MPa
Compressive Strength	ASTM D695	12,690 psi	87 MPa
Density	ASTM D792	0.0430 lb/in3	1.19 gm/cc
Elongation at Break	ASTM D638	34%	34%
Flexural Modulus	ASTM D790	422,913 psi	2,915 MPa
Flexural Strength	ASTM D790	16,935 psi	116 MPa
Heat Deflection Temperature @ 66 psi	-	175°F	79°C
Glass Transition Temperature Tg (peak)	-	207°F	97°C
Izod Impact Strength (method A, notched)	ASTM D256	1.70 ft-lb/in	90 J/m
Shore D Hardness	ASTM D2240	85 D	85 D
Tensile Modulus	ASTM D638	389,590 psi	2,686 MPa
Tensile Strength	ASTM D638	11,380 psi	78 MPa

The information presented represents typical values intended for reference and comparison purposes only. It should not be used for design specifications or quality control purposes. End-use material performance can be impacted (+/-) by, but not limited to, part design, end-use conditions, test conditions, color etc. Actual values will vary with build conditions. Product specifications are subject to change without notice.

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