

TECHNICAL DATA SHEET

ANULON 138



Material Characteristics

- Low Friction
- Exception insulation properties
- Good dimensional stability
- Biocompatible
- Inherent purity

Property	Unit	Test Method	Value
GENERAL PROPERTIES			
Density	g/cm ³	DIN EN ISO 1183-1	1,31
Water absorption	%	DIN EN ISO 62	0,2
Flammability (thickness 3mm/ 6mm)		UL 94	V0/V0
MECHANICAL PROPERTIES			
Yield stress	MPa	DIN EN ISO 527	110
Elongation at break	%	DIN EN ISO 527	20
Tensile modulus of elasticity	MPa	DIN EN ISO 527	4000
Notched impact strength (charpy)	kJ/m ²	DIN EN ISO 179	-
Ball indentation hardness	MPa	DIN EN ISO 2039-1	230
Shore hardness	Scale D	DIN EN ISO 868	88
THERMAL PROPERTIES			
Melting temperature	°C	ISO 11357-3	343
Thermal conductivity	W / (m* K)	DIN 52612-1	0,25
ELECTRICAL PROPERTIES			
Dielectric constant	°C	IEC 60250	3,2
Dielectric strength	kV/mm	IEC 60243	20

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