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PRODUCT DATA SHEET

4TECH 9R20000

Product Description

4TECH 9R20000 is a Standard Flow Unfilled PEEK

Technical Data

General Property	Test Procedure	Units	Value Dry - (Cond.)
Specific Gravity	ISO 1183	g/cm³	1.3

Mechanical Property	Test Procedure	Units	Value Dry - (Cond.)
Izod Impact, Notched, -30°C	ISO 180/1A	kJ/m²	6
Izod Impact, Notched, +23°C	ISO 180/1A	kJ/m²	7
Tensile Modulus 5mm/min, +23°C	ISO R 527	MPa	3750
Tensile Strain @ Break, 5mm/min, +23°C	ISO R 527	%	30
Tensile Stress @ Break 5mm/min, +23°C	ISO R 527	MPa	100

Thermal Property	Test Procedure	Units	Value Dry - (Cond.)
Deflection Temperature @ 1.8 Mpa	ISO 75	°C	155
Melt Temperature - 10 K/min	ISO 11357-1/-3	°C	340
Vicat Softening Temperature - 50N	ISO 306	°C	>300

Electrical/ Flammability Property	Test Procedure	Units	Value Dry - (Cond.)
Flammability Rating 0.75mm	UL 94 (Internal)	--	V-0
Flammability Rating 1.6mm	UL 94 (Internal)	--	V-0
Glow Wire Test - 2mm plaque	IEC 60695-2-12	°C	960
Surface Resistivity	IEC 60093	Ω	1E+14
Volume Resistivity	IEC 60093	Ω.cm	1E+15

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