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PRODUCT DATA SHEET

4TECH 9Q20000

Product Description

4TECH 9Q20000 is a Standard Flow Unfilled PEI

Technical Data

General Property	Test Procedure	Units	Value Dry - (Cond.)
Moisture Content	ISO 960	%	<0.1
Shrinkage	With Flow	%	0.5 - 0.7
Specific Gravity	ISO 1183	g/cm³	1.27
Water Absorption (24Hrs - 50% RH, 23°C)	ISO 62	%	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	6
Izod Impact, Un-notched, -30°C	ISO 180/1U	kJ/m²	NB
Izod Impact, Un-notched, +23°C	ISO 180/1U	kJ/m²	NB
Tensile Modulus 5mm/min, +23°C	ISO R 527	MPa	3250
Tensile Strain @ Break, 5mm/min, +23°C	ISO R 527	%	60
Tensile Stress @ Break 5mm/min, +23°C	ISO R 527	MPa	110

Thermal Property	Test Procedure	Units	Value Dry - (Cond.)
Deflection Temperature @ 0.45 Mpa	ISO 75	°C	200
Deflection Temperature @ 1.8 Mpa	ISO 75	°C	190
Vicat Softening Temperature - 50N	ISO 306	°C	215

Electrical/ Flammability Property	Test Procedure	Units	Value Dry - (Cond.)
Flammability Rating 1.6mm	UL 94 (Internal)	--	V-0
Flammability Rating 3.2mm	UL 94 (Internal)	--	V-0
Surface Resistivity	IEC 60093	Ω	1E+15
Volume Resistivity	IEC 60093	Ω.cm	1E+15

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