safic-alcan.com

Safic-Alcan UK Limited
812 Fountain Court, Birchwood
Boulevard, Birchwood, Warrington,
WA3 7QZ, UK

Tel: +44 1925 848110
Email: sales@safic-alcan.co.uk

PRODUCT DATA SHEET

4TECH 9Q30000

Product Description

4TECH 9Q30000 is a High Flow Unfilled PEI

Technical Data

General Property	Test Procedure	Units	Value Dry - (Cond.)
Melt Flow Rate (360°C, 10kg)	ISO 1133	g/10 mins	40
Moisture Content	ISO 960	%	<0.1
Shrinkage	Parallel	%	0.5
Shrinkage	With Flow	%	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	105

Thermal Property	Test Procedure	Units	Value Dry - (Cond.)
Deflection Temperature @ 1.8 Mpa	ISO 75	°C	190

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	10*15
Volume Resistivity	IEC 60093	Ω.cm	10*15

This information and our technical advice - whether verbal, in writing or by way of trials - are given in good faith but without warranty, and this also applies where proprietary rights of the third parties are involved. Our advice does not release you from the obligation to verify the information currently provided - especially that contained in our safety data and technical information sheets - and to test our products as to their suitability for the intended processes and uses. The application, use and processing of our products and the products manufactured by you on the basis of our technical advice are beyond our control and, therefore, entirely your own responsibility. Our products are sold in accordance with the current version of our General Conditions of Sale and Delivery. Test Values: Unless specified to the contrary, the values given have been established on standardized test specimens at room temperature. The figures should be regarded as guide values only and not as binding minimum values. Kindly note that, under certain conditions, the properties can be affected to a considerable extent by the design of the mould/die, the processing conditions and the colouring.