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 9R22740

Product Description

4TECH 9R22740 is a Standard Flow 40% Carbon Fibre Reinforced PEEK

Technical Data

General Property	Test Procedure	Units	Value Dry - (Cond.)
Moisture Content	ISO 960	%	<0.2
Specific Gravity	ISO 1183	g/cm³	1.43

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	32500
Tensile Strain @ Break, 5mm/min, +23°C	ISO R 527	%	1.5
Tensile Stress @ Break 5mm/min, +23°C	ISO R 527	MPa	275

Thermal Property	Test Procedure	Units	Value Dry - (Cond.)
Deflection Temperature @ 1.8 Mpa	ISO 75	°C	>300
Melt Temperature - 10 K/min	ISO 11357-1/-3	°C	344

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 Flammability Index (GWFI) - 1/2mm Plaque	IEC 60695	°C	960
Volume Resistivity	IEC 60093	Ω.cm	1E+05

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.

Issue: 001 Registered in England, Number: 580109 March 2019