

Menzolit® CIC 1400

Thermoset Polyester

Menzolit Ltd (UK)

Message:

Menzolit® CIC 1400 is a DMC/BMC (CIC = continues impregnated compound) like material. High strength material resistant to fuel, lubricants and cleaning agents being used around automotive engines. Examples are valve covers, carburettor housings. UL approv

General Information			
Filler / Reinforcement	Glass \mineral, 24% filler by weight		
Features	Low smoke		
	High strength		
	Good chemical resistance		
	Heat resistance, high		
	Hydrocarbon resistance		
	Halogen-free		
Uses	Parts under the hood of a car		
	Shell		
Appearance	Available colors		
Forms	Particle		
Processing Method	Injection molding		
Part Marking Code (ISO 11469)	>UP-(GF+KD)59		
Physical	Nominal Value	Unit	Test Method
Density	1.63	g/cm ³	ISO 1183
Molding Shrinkage	0.030	%	ISO 294-4
Water Absorption (Saturation, 23°C)	0.50	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (Compression Molded)	7000	MPa	ISO 527-2
Tensile Stress (Yield, Compression Molded)	40.0	MPa	ISO 527-2
Flexural Modulus (Compression Molded)	7000	MPa	ISO 178
Flexural Stress (Compression Molded)	100	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (Compression Molded)	40	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	162	°C	DSC
CLTE - Flow	1.0E-5	cm/cm/°C	ISO 11359-2
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+14	ohms	IEC 60093
Volume Resistivity	1.0E+12	ohms · cm	IEC 60093

Comparative Tracking Index	600	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating (3.00 mm)	HB		UL 94
Glow Wire Ignition Temperature	750	°C	IEC 60695-2-13
Oxygen Index	22	%	ISO 4589-2

Additional Information

Shrinkage, ISO 2577: 0.03%Post Moulding Shrinkage, DIN 53464: 0%Heat Distortion Temperature, EN ISO 75-2: >150°CContinuous Service Temperature, Menzolit Method: 170°C Glow Bar, IEC 60707-3: BH2 <= 95

Injection	Nominal Value	Unit
Mold Temperature	150 - 170	°C
Injection Pressure	8.00 - 10.0	MPa

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