

Fenochem T 5000

Phenolic

Chemiplastica, Inc.

Message:

Colour : black
Reinforcement : wood flour/inorganic
Application areas : handwheels, knobs, handles, technical pieces
Mark : DIN 31/1649

General Information	
Filler / Reinforcement	Cellulose
Features	Renewable Resource Content
Uses	Engineering Parts
	Handles
	Knobs
Appearance	Black
Processing Method	Injection Molding
	Resin Transfer Molding

Physical	Nominal Value	Unit	Test Method
Density	1.40	g/cm ³	ISO 1183
Molding Shrinkage			ISO 2577
-- ¹	0.40 to 0.60	%	
--	0.60 to 0.80	%	
Water Absorption	< 100.0	mg	ISO 62
Flammability			IEC 707
Mechanical	Nominal Value	Unit	Test Method
Flexural Stress	> 70.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	> 1.3	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength	> 4.5	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	> 115	°C	ISO 75-2/A
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	> 1.0E+9	ohms	IEC 60093
Volume Resistivity	> 1.0E+10	ohms · cm	IEC 60093
Comparative Tracking Index	> 125	V	IEC 60112

NOTE	
1.	Post-shrink

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