

Fenochem T 3800/S

Phenolic

Chemiplastica, Inc.

Message:

Colour : black

Reinforcement : mineral flour/wood flour

Application areas : parts for electrical technology, mounting parts, technical pieces

Mark : DIN 31/1549

General Information			
Filler / Reinforcement	Wood Flour\Mineral Flour		
Features	Updatable resources		
	Heat resistance, high		
Uses	Electrical/Electronic Applications		
	Electrical components		
	Engineering accessories		
Appearance	Black		
Processing Method	Resin transfer molding		
	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.50	g/cm ³	ISO 1183
Molding Shrinkage			ISO 2577
-- ¹	0.40 - 0.60	%	ISO 2577
--	0.50 - 0.70	%	ISO 2577
Water Absorption		mg	ISO 62
Flammability			IEC 707
Mechanical	Nominal Value	Unit	Test Method
Flexural Stress	> 60.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	> 1.5	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength	> 4.0	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	> 140	°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	> 175	V	IEC 60112

NOTE

1. Post-shrink

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