

Fenochem ES 191

Phenolic

Chemiplastica, Inc.

Message:

Colour : black

Reinforcement : mineral flour/wood flour/organic fibres

Application areas : covers, mounting-motor, contact-bridges in switchgear

Mark : DIN 31/1549

General Information			
Filler / Reinforcement	Organic		
	Wood Flour\Mineral Flour		
Additive	Impact Modifier		
Features	Impact Modified		
	Renewable Resource Content		
Uses	Automotive Under the Hood		
	Electrical Parts		
	Protective Coverings		
Appearance	Black		
Processing Method	Compression Molding		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.38	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	> 2.5	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)	> 115	°C	ISO 75-2/A
Electrical	Nominal Value	Unit	Test Method

Surface Resistivity	> 1.0E+8	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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WECHAT