

Badaprop® PPH50 FR EL Schwarz

Polypropylene Homopolymer

Bada AG

Message:

Badaprop® PPH50 FR EL Schwarz is a polypropylene homopolymer (PP Homopoly) material, which contains mineral fillers and 17% fiber fillers. This product is available in Europe, and the processing method is injection molding.

Badaprop® The main characteristics of PPH50 FR EL Schwarz are:

flame retardant/rated flame

Homopolymer

Antistatic

General Information			
Filler / Reinforcement	Mineral filler		
	Fibrous filler, 17% packing by weight		
Additive	Antistatic property		
Features	Homopolymer		
	Antistatic property		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.35	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	2200	MPa	ISO 527-2/1
Tensile Stress (Yield, 23°C)	22.0	MPa	ISO 527-2/50
Tensile Strain (Yield, 23°C)	2.8	%	ISO 527-2/50
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength ¹ (4.00 mm)	25.0	J/m	ASTM D785
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ²			
0.45 MPa, unannealed, 4.00mm	130	°C	ISO 75-2/B
1.8 MPa, not annealed, 4.00mm	90.0	°C	ISO 75-2/A
Melting Temperature (DSC) ³	163	°C	ISO 3146
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity ⁴ (1.00 mm)	< 1.0E+6	ohms	IEC 60093
Volume Resistivity ⁵ (1.00 mm)	< 1.0E+6	ohms · cm	IEC 60093
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.5 mm)	V-0		UL 94
Injection	Nominal Value	Unit	
Processing (Melt) Temp	230 - 260	°C	
Mold Temperature	10 - 30	°C	

NOTE	
1.	80x10x4 mm
2.	110x10x4 mm
3.	Compound for molding, 10k/min
4.	80x80x1 mm
5.	80x80x1 mm

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