

MAJORIS BC218

Polypropylene

AD majoris

Message:

BC218 is a 20% mineral filled polypropylene compound, intended for extrusion sheet and profiles.

BC218 is halogen free and conform to European directive 2002/95/CE (RoHS).

BC218 produce very low level of toxicity and low smoke density in the case of a fire.

General Information			
Filler / Reinforcement	Mineral,20% Filler by Weight		
Features	Halogen Free		
	Low Smoke Emission		
	Low Toxicity		
	Recyclable Material		
Uses	Profiles		
	Sheet		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Processing Method	Profile Extrusion		
	Sheet Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	1.06	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.0	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	20.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	6.0	%	ISO 527-2/50
Flexural Modulus ¹	1700	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-20°C	2.5	kJ/m ²	
23°C	9.0	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	60.0	°C	ISO 75-2/A
Flammability	Nominal Value	Unit	Test Method
Glow Wire Flammability Index (2.00 mm)	650	°C	IEC 60695-2-12
Extrusion	Nominal Value	Unit	

Cylinder Zone 1 Temp.	180	°C
Cylinder Zone 2 Temp.	190	°C
Cylinder Zone 3 Temp.	200	°C
Cylinder Zone 4 Temp.	210	°C
Melt Temperature	210 to 220	°C
Head Temperature	210	°C
Die Temperature	210	°C

NOTE

1. 2.0 mm/min

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