

DINALON® B1S25 C10-4172

Polyamide 6

Grupo Repol

Message:

DINALON® B1S25 C10-4172 is a Polyamide 6 (Nylon 6) product filled with 10% carbon fiber. It is available in Europe. Primary characteristic: conductive.

General Information			
Filler / Reinforcement	Carbon Fiber,10% Filler by Weight		
Features	Conductive		
Appearance	Black		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	1.16	g/cm ³	ISO 1183
Humidity	< 0.25	%	ISO 15512/B
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	7500	MPa	ISO 527-2/1
Tensile Stress (Yield)	140	MPa	ISO 527-2/5
Tensile Strain (Break)	2.0	%	ISO 527-2/5
Flexural Modulus ¹	5500	MPa	ISO 178
Flexural Stress ²	160	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	3.5	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	30	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	210	°C	ISO 75-2/A
Vicat Softening Temperature	> 200	°C	ISO 306
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	< 1.0E+4	ohms	ASTM D257
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	2.0 to 4.0	hr	
Processing (Melt) Temp	245 to 275	°C	
Mold Temperature	60.0 to 90.0	°C	
NOTE			
1.	2.0 mm/min		
2.	2.0 mm/min		

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