

DINALON® B3S20 C-4171

Polyamide 6

Grupo Repol

Message:

DINALON® B3S20 C-4171 is a Polyamide 6 (Nylon 6) product. It is available in Europe.

Characteristics include:

Carbon Black

Conductive

General Information			
Additive	Carbon Black		
Features	Conductive		
Appearance	Black		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	1.22	g/cm ³	ISO 1183
Humidity	< 0.25	%	ISO 15512/B
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3250	MPa	ISO 527-2/1
Tensile Stress (Yield)	55.0	MPa	ISO 527-2/5
Tensile Strain			ISO 527-2/5
Yield	3.3	%	
Break	> 10	%	
Flexural Modulus ¹	2500	MPa	ISO 178
Flexural Stress ²	85.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	14	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	No Break		ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	65.0	°C	ISO 75-2/A
Vicat Softening Temperature	> 200	°C	ISO 306
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	< 1.0E+3	ohms	DIN 53482
Injection	Nominal Value	Unit	Test Method
Drying Temperature	80.0	°C	
Drying Time	2.0 to 4.0	hr	
Processing (Melt) Temp	210 to 245	°C	
Mold Temperature	70.0 to 90.0	°C	
NOTE			
1.	2.0 mm/min		

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