

DINAPLEN® PPH1S25 C5-4152

Polypropylene Homopolymer

Grupo Repol

Message:

DINAPLEN® PPH1S25 C5-4152 is a Polypropylene Homopolymer (PP Homopolymer) product filled with 5.0% carbon fiber. It is available in Europe. Primary characteristic: homopolymer.

General Information			
Filler / Reinforcement	Carbon Fiber,5.0% Filler by Weight		
Features	Homopolymer		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	1.05	g/cm³	ISO 1183/A
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	15	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4500	MPa	ISO 527-2
Tensile Stress (Break)	40.0	MPa	ISO 527-2
Tensile Strain			ISO 527-2
Yield	3.0	%	
Break	1.2	%	
Flexural Modulus	3300	MPa	ISO 178
Flexural Stress	50.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	3.0	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	15	kJ/m²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	130	°C	ISO 75-2/A

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