

Polifor® 25 CF/20 H NERO

Polypropylene Homopolymer

SO.F.TER. SPA

Message:

Polypropylene homopolymer 20% carbon fiber reinforced, heat stabilized

General Information			
Filler / Reinforcement	Carbon Fiber,20% Filler by Weight		
Additive	Heat Stabilizer		
Features	Heat Stabilized		
	Homopolymer		
Agency Ratings	EC 1907/2006 (REACH)		
Appearance	Black		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.980	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	8.0	g/10 min	ASTM D1238
Molding Shrinkage	0.20	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	39.0	MPa	ASTM D638
Tensile Elongation (Break)	5.0	%	ASTM D638
Flexural Modulus	6100	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	40	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	107	°C	ASTM D1525 ¹
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	< 1.0E+4	ohms	IEC 60093
Flammability	Nominal Value	Unit	Test Method
Flame Rating	UL 94		
1.60 mm	HB		
3.20 mm	HB		
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	2.0	hr	
Rear Temperature	190	°C	
Middle Temperature	210	°C	
Front Temperature	230	°C	

Mold Temperature	40.0 to 60.0	°C
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NOTE

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| 1. | Rate A (50°C/h), Loading 2 (50 N) |
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Recommended distributors for this material
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