

CompaDur® 121 GF 15 black (049)

Polybutylene Terephthalate

DimeLika Plast GmbH

Message:

PBT, injection molding grade, 15 % glass fiber, heat stabilized excellent flow ability, high strength and stiffness, for exterior applications.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 15% filler by weight		
Additive	heat stabilizer		
Features	Rigidity, high		
	High strength		
	Good liquidity		
	Thermal Stability		
Uses	Outdoor application		
Appearance	Black		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.41	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (250°C/2.16 kg)	15.0	cm ³ /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	5700	MPa	ISO 527-2/1
Tensile Stress (Yield)	105	MPa	ISO 527-2/5
Tensile Strain (Yield)	3.0	%	ISO 527-2/5
Flammability	Nominal Value	Test Method	
Flame Rating (0.800 mm)	HB	UL 94	
Injection	Nominal Value	Unit	
Drying Temperature	120 - 140	°C	
Drying Time	2.0 - 4.0	hr	
Suggested Max Moisture	0.020	%	
Rear Temperature	250 - 265	°C	
Middle Temperature	250 - 265	°C	
Front Temperature	250 - 265	°C	
Nozzle Temperature	260 - 270	°C	
Processing (Melt) Temp	260 - 270	°C	
Mold Temperature	75.0 - 85.0	°C	
Injection Pressure	60.0 - 100	MPa	
Injection Rate	Fast		
Holding Pressure	1.00 - 3.00	MPa	

Back Pressure	40.0 - 80.0	MPa
Screw Speed	80	rpm
Injection instructions		

Melt residence time: 5 to 10 mins
Nozzle: open

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Recommended distributors for this material

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