

Tecopet® PT74 CR20 BK111 PR

Polyethylene Terephthalate
Eurotec Engineering Plastics

Message:

PET, 20% carbon fiber reinforced, black, fast crystallization grade

General Information			
Filler / Reinforcement	Carbon Fiber,20% Filler by Weight		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Appearance	Black		
Processing Method	Injection Molding		
Resin ID (ISO 1043)	PET CF20		
Physical	Nominal Value	Unit	Test Method
Density	1.41	g/cm ³	ISO 1183
Water Absorption (Equilibrium, 23°C, 50% RH)	0.20	%	ISO 62
Moisture Content	< 0.080	%	ISO 15512
Back Pressure	Low		
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	15000	MPa	ISO 527-2
Tensile Stress (Break, 23°C)	150	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	2.0	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C)	8.0	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	195	°C	ISO 75-2/A
Melting Temperature ¹	250	°C	ISO 11357-3
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	< 1.0E+4	ohms · cm	IEC 60093
Flammability	Nominal Value	Unit	Test Method
Flame Rating	UL 94		
0.750 mm	HB		
1.60 mm	HB		
Injection	Nominal Value	Unit	
Drying Temperature	120 to 140	°C	
Drying Time	4.0	hr	
Hopper Temperature	50.0 to 70.0	°C	
Processing (Melt) Temp	270 to 290	°C	
Mold Temperature	90.0 to 120	°C	

Injection Rate	Fast	
Holding Pressure	60.0 to 100	MPa
NOTE		
1.	10 K/min	

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

