

LNP™ THERMOCOMP™ DFZ22P compound

Polycarbonate

SABIC Innovative Plastics

Message:

LNP THERMOCOMP* DFZ22P is a compound based on Polycarbonate resin containing 10% Glass Fiber, 10% Milled Glass. Added features of this material include: Exceptional Processing.

Also known as: LNP* THERMOCOMP* Compound DF-1004 EP MG

Product reorder name: DFZ22P

General Information			
Filler / Reinforcement	Glass Fiber,10% Filler by Weight		
	Milled Glass Fiber,10% Filler by Weight		
Features	Good Processability		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.33	g/cm ³	ISO 1183
Molding Shrinkage			
Flow : 24 hr	0.40	%	ASTM D955, ISO 294-4
Across Flow : 24 hr	0.60	%	ASTM D955
Across Flow : 24 hr	0.61	%	ISO 294-4
Water Absorption			
24 hr, 50% RH	0.10	%	ASTM D570
Equilibrium, 23°C, 50% RH	0.15	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			
-- ¹	4270	MPa	ASTM D638
--	4410	MPa	ISO 527-2/1
Tensile Strength			
Break	67.6	MPa	ASTM D638
Break	49.0	MPa	ISO 527-2
Tensile Elongation			
Break	6.0	%	ASTM D638
Break	4.8	%	ISO 527-2
Flexural Modulus			
--	3380	MPa	ASTM D790
--	3900	MPa	ISO 178
Flexural Strength			
--	124	MPa	ASTM D790
--	132	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method

Notched Izod Impact			
23°C	53	J/m	ASTM D256
23°C ²	5.4	kJ/m ²	ISO 180/1A
Unnotched Izod Impact			
23°C	560	J/m	ASTM D4812
23°C ³	52	kJ/m ²	ISO 180/1U
Instrumented Dart Impact			
23°C, Energy at Peak Load	7.00	J	ASTM D3763
--	8.30	J	ISO 6603-2
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
1.8 MPa, Unannealed, 3.20 mm	132	°C	ASTM D648
1.8 MPa, Unannealed, 64.0 mm Span ⁴	133	°C	ISO 75-2/Af
Injection	Nominal Value	Unit	
Drying Temperature	121	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.020	%	
Rear Temperature	293 to 304	°C	
Middle Temperature	310 to 321	°C	
Front Temperature	321 to 332	°C	
Processing (Melt) Temp	304 to 327	°C	
Mold Temperature	82.2 to 110	°C	
Back Pressure	0.172 to 0.344	MPa	
Screw Speed	30 to 60	rpm	
NOTE			
1.	50 mm/min		
2.	80*10*4		
3.	80*10*4		
4.	80*10*4 mm		

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



WECHAT