

LNP™ THERMOCOMP™ DF002ER compound

Polycarbonate

SABIC Innovative Plastics

Message:

LNP THERMOCOMP DF002ER is a compound based on Polycarbonate resin containing Glass Fiber. Added features include Easy Molding, Mold Release.

Also known as: LNP* THERMOCOMP* Compound DF-1002 EM MR

Product reorder name: DF002ER

General Information			
UL YellowCard	E45329-101283854	E45329-101344593	
Filler / Reinforcement	Glass fiber reinforced material		
Additive	demoulding		
Features	Good formability		
RoHS Compliance	RoHS compliance		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.27	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4000	MPa	ISO 527-2/1
Tensile Stress (Yield)	85.0	MPa	ISO 527-2/5
Tensile Strain (Yield)	3.6	%	ISO 527-2/5
Flexural Modulus ¹	3800	MPa	ISO 178
Flexural Stress	135	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact ² (23°C)	10	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ³ (23°C)	50	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁴			
0.45 MPa, unannealed, 64.0mm span	143	°C	ISO 75-2/Bf
1.8 MPa, unannealed, 64.0mm span	137	°C	ISO 75-2/Af
CLTE - Flow (23 to 60°C)	3.9E-5	cm/cm/°C	ISO 11359-2
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index	175	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
1.50 mm	V-2		UL 94
3.00 mm	V-1		UL 94
Glow Wire Flammability Index			IEC 60695-2-12
1.00 mm	960	°C	IEC 60695-2-12
1.60 mm	850	°C	IEC 60695-2-12
Injection	Nominal Value	Unit	

Drying Temperature	121	°C
Drying Time	4.0	hr
Suggested Max Moisture	0.020	%
Rear Temperature	293 - 304	°C
Middle Temperature	310 - 321	°C
Front Temperature	321 - 332	°C
Processing (Melt) Temp	304 - 327	°C
Mold Temperature	82.2 - 110	°C
Back Pressure	0.172 - 0.344	MPa
Screw Speed	30 - 60	rpm

NOTE

- | | |
|----|------------|
| 1. | 2.0 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