+135-3858-6433 (GuangDong)
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LNP™ THERMOCOMP™ Compound EFB26ER
Europe-Africa-Middle East: COMMERCIAL

LNP THERMOCOMP EFB26ER is a compound based on Polyetherimide containing Glass Fiber, Glass Bead. Added features include: Easy Molding, Mold Release.

TYPICAL PROPERTIES[1]	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, yield, 5 mm/min	156	MPa	ISO 527
Tensile Stress, break, 5 mm/min	153	MPa	ISO 527
Tensile Strain, yield, 5 mm/min	1.5	%	ISO 527
Tensile Strain, break, 5 mm/min	1.5	%	ISO 527
Tensile Modulus, 1 mm/min	9000	MPa	ISO 527
Flexural Stress, yield, 2 mm/min	190	MPa	ISO 178
Flexural Stress, break, 2 mm/min	190	MPa	ISO 178
Flexural Strain, break, 2 mm/min	1.9	%	ISO 178
Flexural Modulus, 2 mm/min	10400	MPa	ISO 178
IMPACT			
Izod Impact, unnotched 80*10*4 +23°C	25	kJ/m²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	6	kJ/m²	ISO 180/1A
THERMAL			
CTE, 23°C to 60°C, flow	1.5E-05	1/°C	ISO 11359-2
CTE, 23°C to 60°C, xflow	3.5E-05	1/°C	ISO 11359-2
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	206	°C	ISO 75/Af
PHYSICAL			
Mold Shrinkage, flow (5)	0.2	%	SABIC Method
Density	1.61	g/cm³	ISO 1183
Water Absorption, 23°C/24hrs	0.27	%	ISO 62-1

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PROCESSING PARAMETERS	TYPICAL VALUE	Unit
Injection Molding		
Drying Temperature	120 - 150	°C
Drying Time	4 - 6	hrs
Maximum Moisture Content	0.02	%
Melt Temperature	360 - 365	°C
Front - Zone 3 Temperature	365 - 375	°C
Middle - Zone 2 Temperature	355 - 365	°C
Rear - Zone 1 Temperature	345 - 355	°C
Mold Temperature	120 - 150	°C
Back Pressure	0.3 - 0.7	MPa
Screw Speed	60 - 100	rpm