

LNP™ THERMOCOMP™ Compound EFB26ER

PEI-(GF+GB)

Saudi Basic Industries Corporation (SABIC)

Product Texts

LNP THERMOCOMP EFB26ER compound is based on Polyetherimide (PEI) resin containing 30% glass fiber, 10% glass bead. Added features of this grade include: Easy Molding, Mold Release.

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	9000	MPa	ISO 527
Yield stress	156	MPa	ISO 527
Yield strain	1.5	%	ISO 527
Stress at break	153	MPa	ISO 527
Strain at break	1.5	%	ISO 527
Flexural modulus	10400	MPa	ISO 178
Izod impact strength, +23°C, 4mm	25	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C, 4mm	6	kJ/m ²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	206	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	15	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	35	E-6/K	ISO 11359-1/-2

Other properties	Value	Unit	Test Standard
Density	1610	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	150	°C	-
Pre-drying - Time	4 - 6	h	-
Processing humidity	≤0.02	%	-
Melt temperature	360 - 365	°C	-
Mold temperature	120 - 150	°C	-
Zone 1	345 - 355	°C	-
Zone 2	355 - 365	°C	-
Zone 3	365 - 375	°C	-
Back pressure	0.3 - 0.7	MPa	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific