

Product Texts

LNP THERMOCOMP DX06313 compound is based on Polycarbonate (PC) resin containing 30% glass fiber. Added features of this grade include: Impact Modified, Thin-Wall Molding.

UL Yellow Card Link [E207780-101284061](https://www.ulprospector.com/PC/properties/207780-101284061)

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	32	cm ³ /10min	ISO 1133
Temperature	300	°C	-
Load	5	kg	-
ASTM Data			
Melt Flow Index, MFI	42	g/10min	ASTM D 1238
Temperature	300	°C	-
Load	5	kg	-

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	7420	MPa	ISO 527
Stress at break	90	MPa	ISO 527
Strain at break	3.5	%	ISO 527
Flexural modulus	6650	MPa	ISO 178
Charpy notched impact strength, +23°C	15	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C, 4mm	16	kJ/m ²	ISO 180/1A
Izod notched impact strength, -30°C, 4mm	12	kJ/m ²	ISO 180/1A
ASTM Data			
Tensile Modulus	7500	MPa	ASTM D 638
Tensile Strength at Break	99	MPa	ASTM D 638
Elongation at Break	3.6	%	ASTM D 638
Flexural Modulus	7000	MPa	ASTM D 790
Izod Impact notched, 1/8 in	190	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	120	J/m	ASTM D 256
Temperature	-30	°C	-

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	136	°C	ISO 75-1/-2
Vicat softening temperature, B	142	°C	ISO 306
Vicat softening temperature, 120°C/h 50N	143	°C	ISO 306
Burning behav. at 1.5 mm nom. thickn.	HB	class	IEC 60695-11-10
Thickness tested	1.6	mm	-
ASTM Data			
DTUL @ 264 psi	136	°C	ASTM D 648
Vicat Temperature	142	°C	ASTM D 1525

Other properties	Value	Unit	Test Standard
Water absorption	0.4	%	Sim. to ISO 62
Humidity absorption	0.1	%	Sim. to ISO 62
Density	1420	kg/m ³	ISO 1183
Density	1420	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	3 - 4	h	-
Processing humidity	≤0.02	%	-
Melt temperature	315 - 340	°C	-
Mold temperature	80 - 115	°C	-
Zone 1	295 - 315	°C	-
Zone 2	305 - 325	°C	-

LNP™ THERMOCOMP™ Compound DX06313

PC-GF30

Saudi Basic Industries Corporation (SABIC)

Zone 3	315 - 340	°C	-
Screw speed	40 - 70	rpm	-
Back pressure	0.3 - 0.7	MPa	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific

Special Characteristics

High impact or impact modified