

**Product Texts**

LNP THERMOCOMP ZX06323 compound is based on Polyphenylene Ether / Polystyrene (PPE/PS) blend containing proprietary fillers. Added features of this grade include: High Dielectric Constant and Low Loss Tangent

UL Yellow Card Link [E207780-102991930](https://www.ul.com/yellow-card/E207780-102991930)

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt volume-flow rate, MVR	8	cm <sup>3</sup> /10min	ISO 1133
Temperature	300	°C	-
Load	5	kg	-
<b>ASTM Data</b>			
Mold Shrinkage, MD	0.64	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.56	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	4080	MPa	ISO 527
Stress at break	54	MPa	ISO 527
Strain at break	4.7	%	ISO 527
Flexural modulus	4390	MPa	ISO 178
Izod impact strength, +23°C, 4mm	20	kJ/m <sup>2</sup>	ISO 180/1U
Izod notched impact strength, +23°C, 4mm	5	kJ/m <sup>2</sup>	ISO 180/1A
<b>ASTM Data</b>			
Tensile Modulus	4140	MPa	ASTM D 638
Tensile Strength at Break	54	MPa	ASTM D 638
Elongation at Break	4.2	%	ASTM D 638
Flexural Modulus	3940	MPa	ASTM D 790
Izod Impact notched, 1/8 in	46	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	294	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	122	°C	ISO 75-1/-2
Burning behav. at 1.5 mm nom. thickn.	HB	class	IEC 60695-11-10
Thickness tested	1.5	mm	-
<b>ASTM Data</b>			
DTUL @ 264 psi	122	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	1950	kg/m <sup>3</sup>	ISO 1183
Water Absorption, 24hr	0.1	%	ASTM D 570
Density	1950	kg/m <sup>3</sup>	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	105	°C	-
Pre-drying - Time	3 - 5	h	-
Melt temperature	295 - 305	°C	-
Mold temperature	90	°C	-
Zone 1	280 - 285	°C	-
Zone 2	290 - 295	°C	-
Zone 3	300 - 305	°C	-
Screw speed	≥100	rpm	-
Back pressure	≥9	MPa	-

**Characteristics**

## LNP™ THERMOCOMP™ Compound ZX06323

(PPE+PS)

Saudi Basic Industries Corporation (SABIC)

### Processing

Injection Molding

### Regional Availability

North America, Europe, Asia Pacific

### Applications

Automotive