

**Product Texts**

LNP COLORCOMP DX09304C is an unfilled polycarbonate (PC) resin. Added features of this grade include: easy molding, very low level of leachable ions and low outgassing.

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Melt Flow Index, MFI	22	g/10min	ASTM D 1238
Temperature	300	°C	-
Load	1.2	kg	-

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	2300	MPa	ISO 527
Yield stress	59.4	MPa	ISO 527
Stress at break	60.5	MPa	ISO 527
Strain at break	106	%	ISO 527
Flexural modulus, 23°C	2200	MPa	ISO 178
Flexural strength	92.4	MPa	ISO 178
Charpy impact strength, +23°C	101	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	63.3	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy notched impact strength, -30°C	11.7	kJ/m <sup>2</sup>	ISO 179/1eA
Izod impact strength, +23°C	139	kJ/m <sup>2</sup>	ISO 180/1U
Izod notched impact strength, +23°C	46.5	kJ/m <sup>2</sup>	ISO 180/1A
Izod notched impact strength	11.1	kJ/m <sup>2</sup>	ISO 180/1A
Temperature	-30	°C	-
<b>ASTM Data</b>			
Tensile Modulus	2283	MPa	ASTM D 638
Tensile Strength at Yield	60.4	MPa	ASTM D 638
Tensile Strength at Break	59.1	MPa	ASTM D 638
Elongation at Yield	0.22	%	ASTM D 638
Elongation at Break	78.6	%	ASTM D 638
Flexural Modulus	2210	MPa	ASTM D 790
Izod Impact notched, 1/8 in	790	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	108	J/m	ASTM D 256
Temperature	-30	°C	-
Izod Impact unnotched, 1/8 in	2120	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Vicat softening temperature, A	149	°C	ISO 306
Coeff. of linear therm. expansion, parallel	80	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	80	E-6/K	ISO 11359-1/-2
<b>ASTM Data</b>			
DTUL @ 66 psi	142	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Water absorption	0.05	%	Sim. to ISO 62
Density	1200	kg/m <sup>3</sup>	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	100	°C	-
Pre-drying - Time	3 - 5	h	-
Processing humidity	≤0.02	%	-
Melt temperature	260 - 300	°C	-
Mold temperature	80 - 120	°C	-
Zone 1	240 - 260	°C	-
Zone 2	260 - 300	°C	-
Zone 3	260 - 300	°C	-
Nozzle temperature	260 - 300	°C	-

**LNP™ COLORCOMP™ Compound DX09304C**

PC

Saudi Basic Industries Corporation (SABIC)

Screw speed	<b>30 - 100</b>	rpm	-
Back pressure	<b>0.1 - 0.5</b>	MPa	-

**Characteristics****Processing**

Injection Molding

**Applications**

Electrical and Electronical

**Additives**

Release agent

**Regional Availability**

North America, Europe, Asia Pacific, South and Central America