

Product Texts

LNP COLORCOMP N1000UF compound is based on Polycarbonate/Acrylonitrile Butadiene Styrene (PC/ABS) blend. Added features of this grade include: UV Stabilized, Excellent Flow and Good Impact.

UL Yellow Card Link [E207780-103938409](https://www.ulprospector.com/usa/Products/Plastics/PC-ABS/1000UF)

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	25	cm ³ /10min	ISO 1133
Temperature	260	°C	-
Load	5	kg	-
ASTM Data			
Melt Flow Index, MFI	28	g/10min	ASTM D 1238
Temperature	260	°C	-
Load	5	kg	-

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	2250	MPa	ISO 527
Yield stress	54	MPa	ISO 527
Yield strain	4.5	%	ISO 527
Stress at break	53	MPa	ISO 527
Strain at break	50	%	ISO 527
Flexural modulus	2200	MPa	ISO 178
Charpy notched impact strength, +23°C	65	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C, 3mm	30	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C, 3mm	65	kJ/m ²	ISO 180/1A
Izod notched impact strength, -30°C, 3mm	30	kJ/m ²	ISO 180/1A
ASTM Data			
Tensile Modulus	2300	MPa	ASTM D 638
Tensile Strength at Yield	54	MPa	ASTM D 638
Tensile Strength at Break	53	MPa	ASTM D 638
Elongation at Yield	4.5	%	ASTM D 638
Elongation at Break	120	%	ASTM D 638
Flexural Modulus	2300	MPa	ASTM D 790
Izod Impact notched, 1/8 in	590	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	400	J/m	ASTM D 256
Temperature	-30	°C	-

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	105	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	126	°C	ISO 75-1/-2
Vicat softening temperature, B	126	°C	ISO 306
Vicat softening temperature, 120°C/h 50N	127	°C	ISO 306
Burning behav. at 1.5 mm nom. thickn.	HB	class	IEC 60695-11-10
Thickness tested	1.5	mm	-
Thermal Conductivity	0.2	W/(m K)	DIN 52616
Glow Wire Ignition Temperature (GWIT)	750	°C	IEC 60695-2-13
GWIT - thickness tested (3)	3	mm	-
ASTM Data			
DTUL @ 264 psi	107	°C	ASTM D 648
Vicat Temperature	126	°C	ASTM D 1525

Electrical properties	Value	Unit	Test Standard
ISO Data			
Surface resistivity	>1E15	Ohm	IEC 62631-3-2
Electric strength	35	kV/mm	IEC 60243-1
ASTM Data			

LNP™ COLORCOMP™ Compound N1000UF
(PC+ABS)

Saudi Basic Industries Corporation (SABIC)

Volume Resistivity	1E15	Ohm*cm	ASTM D 257
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Other properties	Value	Unit	Test Standard
Water absorption	0.4	%	Sim. to ISO 62
Humidity absorption	0.15	%	Sim. to ISO 62
Density	1140	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	95 - 105	°C	-
Pre-drying - Time	2 - 4	h	-
Processing humidity	≤0.02	%	-
Melt temperature	260 - 290	°C	-
Mold temperature	60 - 90	°C	-
Feed temperature	60 - 80	°C	-
Zone 1	230 - 260	°C	-
Zone 2	250 - 290	°C	-
Zone 3	250 - 290	°C	-

Characteristics

Processing

Injection Molding

Regional Availability

North America, Europe, Asia Pacific

Applications

Automotive