

NORYL™ Resin NC208

(PPE+PS)-CF8

Saudi Basic Industries Corporation (SABIC)

Product Texts

NORYL NC208 compound is based on Polyphenylene Ether (PPE) resin containing 8% carbon fiber. Added features of this grade include: Electrically Conductive, Non-Brominated, Non-Chlorinated Flame Retardant.

UL Yellow Card Link [E45587-237056](https://www.ul.com/materials/noryl-nc208)

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Flexural Modulus	4900	MPa	ASTM D 790
Flexural Strength	117	MPa	ASTM D 790
Rockwell Hardness	M 88	-	ASTM D 785
Izod Impact notched, 1/8 in	58	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ISO Data			
Burning behav. at 1.5 mm nom. thickn.	V-1	class	IEC 60695-11-10
Thickness tested	1.5	mm	-
ASTM Data			
DTUL @ 66 psi	132	°C	ASTM D 648

Electrical properties	Value	Unit	Test Standard
ASTM Data			
Surface Resistivity	1E12	Ohm	ASTM D 257

Other properties	Value	Unit	Test Standard
Density	1140	kg/m ³	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	270 - 310	°C	-
Mold temperature	70 - 110	°C	-
Zone 1	250 - 290	°C	-
Zone 2	260 - 300	°C	-
Zone 3	270 - 310	°C	-

Characteristics**Processing**

Injection Molding

Special Characteristics

Increased electrical conductivity, Flame retardant

Additives

Flame retarding agent

Regional Availability

North America, Europe, Asia Pacific