

NORYL™ Resin CN5260 - Asia

(PPE+PS)-(MX+GF)50

Saudi Basic Industries Corporation (SABIC)

Product Texts

NORYL CN5260 resin is a 50% mineral and glass fiber reinforced blend of polyphenylene ether (PPE) + polystyrene (PS). This high modulus, injection moldable grade contains non-brominated, non-chlorinated flame retardant and carries a UL94 flame rating of 5VB at 2mm and V1 at 1.5mm. NORYL CN5260 resin exhibits good dimensional stability, low moisture absorption, and high rigidity. It is an excellent candidate for printer chassis applications.

UL Yellow Card Link: [E207780-228542](https://www.ul.com/yellow-card/E207780-228542)

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	13.3	g/10min	ASTM D 1238
Temperature	300	°C	-
Load	5	kg	-
Mold Shrinkage, MD	0.002	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Flexural Modulus	12350	MPa	ASTM D 790
Flexural Strength	161	MPa	ASTM D 790
Izod Impact notched, 1/8 in	58	J/m	ASTM D 256
Other Standards^[5]			
Tensile Strength at Yield	129	MPa	Producer Method
Elongation at Break	5	%	Producer Method

S: These properties are reported by the producer according standards that are different to our defaults.

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	-
Yellow Card available	yes	-	-
Burning behav. 5V at thickness h	5VB	class	IEC 60695-11-20
Thickness tested	2.0	mm	-
Yellow Card available	yes	-	-
ASTM Data			
UL 94 Flame rating	V-1	-	UL 94
Thickness tested	1.5	mm	-
DTUL @ 264 psi	125	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	0.06	%	ASTM D 570
Density	1530	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	100	°C	-
Pre-drying - Time	3 - 4	h	-
Melt temperature	280 - 300	°C	-
Mold temperature	70 - 90	°C	-
Zone 1	260 - 280	°C	-
Zone 2	270 - 290	°C	-
Zone 3	280 - 300	°C	-
Nozzle temperature	280 - 300	°C	-
Back pressure	0.5 - 1.2	MPa	-

Characteristics**Processing**

Injection Molding

Applications

IT / Business Machine, Electrical and Electronical

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Additives

Flame retarding agent

Regional Availability

Asia Pacific

Special Characteristics

Flame retardant, Halogen-free