

NORYL™ Resin NCF1010

(PPE+PS+PTFE)-(GF+CF)

Saudi Basic Industries Corporation (SABIC)

Product Texts

NORYL™ NCF1010 is a compound based on PPE+PS resin containing 10% Glass Fiber, 10% Carbon Fiber and 10% PTFE. Added features: Structural and Wear Resistant.

UL Yellow Card Link [E45587-237058](https://www.ul.com/yellowcard/E45587-237058)

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.45	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.65	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Flexural Modulus	7610	MPa	ASTM D 790
Flexural Strength	129	MPa	ASTM D 790
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.	HB	class	IEC 60695-11-10
Thickness tested	1.5	mm	-
ASTM Data			
DTUL @ 66 psi	134	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	1210	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	4	h	-
Melt temperature	300 - 305	°C	-
Mold temperature	80 - 110	°C	-
Zone 1	275 - 290	°C	-
Zone 2	290 - 300	°C	-
Zone 3	300 - 310	°C	-
Screw speed	30 - 60	rpm	-
Back pressure	0.2 - 0.3	MPa	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific