

NORYL™ Resin NF1520

(PPE+PS+PTFE)-GF20

Saudi Basic Industries Corporation (SABIC)

Product Texts

NORYL NF1520 is a compound based on PPE+PS resin containing 20% Glass Fiber and 15% PTFE. Added feature of this grade is Wear Resistant.

UL Yellow Card Link [E207780-228536](https://www.ulprospector.com/228536)

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Yield	74	MPa	ASTM D 638
Tensile Strength at Break	74	MPa	ASTM D 638
Elongation at Break	4.2	%	ASTM D 638
Izod Impact notched, 1/8 in	74	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	357	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	102	°C	ASTM D 648
DTUL @ 264 psi	96	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	1340	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	105 - 110	°C	-
Pre-drying - Time	3 - 4	h	-
Processing humidity	≤0.02	%	-
Melt temperature	275 - 305	°C	-
Mold temperature	70 - 100	°C	-
Zone 1	245 - 295	°C	-
Zone 2	255 - 300	°C	-
Zone 3	265 - 305	°C	-
Screw speed	20 - 100	rpm	-
Back pressure	0.3 - 0.7	MPa	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific