

NORYL™ Resin 731S - Asia

(PPE+PS)

Saudi Basic Industries Corporation (SABIC)

Product Texts

NORYL™ 731S resin is a non-reinforced blend of Polyphenylene ether (PPE) + high impact polystyrene (HIPS). This injection moldable resin is FC EU, FDA food contact compliant and has NSF/ANSI 61, ACS, WRAS, and KTW/W270 listings for selected colors and manufacturing locations. NORYL 731S resin exhibits good surface appearance, high ductility, low moisture absorption, dimensional and hydrolytic stability. NORYL 731S resin is an excellent candidate for a variety of water management applications such as valves, filtration components, and water meter internals.

UL Yellow Card Link [E207780-228540](https://www.ulprospector.com/usa/Products/228540)

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Yield	58	MPa	ASTM D 638
Elongation at Break	30	%	ASTM D 638
Flexural Modulus	2420	MPa	ASTM D 790
Izod Impact notched, 1/8 in	208	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	133	J/m	ASTM D 256
Temperature	-40	°C	-

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 @ 264 psi	117	°C	ASTM D 648

Electrical properties	Value	Unit	Test Standard
ASTM Data			
Dissipation Factor, 60 Hz	2.65	-	ASTM D 150

Other properties	Value	Unit	Test Standard
Density	1080	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	105 - 110	°C	-
Pre-drying - Time	2 - 4	h	-
Melt temperature	280 - 310	°C	-
Mold temperature	70 - 95	°C	-

Characteristics

Processing

Injection Molding

Chemical Resistance

Hydrolytically Stable

Certifications

Food contact, Food approval FDA 21 CFR

Regional Availability

Asia Pacific