

NORYL™ Resin WM230A Asia

(PPE+PS)-GF30

Saudi Basic Industries Corporation (SABIC)

Product Texts

NORYL WM230A resin is a 30% glass fiber reinforced blend of polyphenylene ether (PPE) + Polystyrene (PS). This injection moldable grade exhibits excellent long term hydrolytic stability, very low water absorption, heat / hot water resistance and is an excellent candidate for various water management applications such as pump housings, impellers and valves. See NORYL FE1630PW and WM330G resins for NSF /ANSI 61 and global potable water compliant versions.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	8.9	g/10min	ASTM D 1238
Temperature	300	°C	-
Load	5	kg	-
Mold Shrinkage, MD	0.0025	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Flexural Modulus	7780	MPa	ASTM D 790
Flexural Strength	176	MPa	ASTM D 790
Rockwell Hardness	R 121	-	ASTM D 785
Izod Impact notched, 1/8 in	146	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
DTUL @ 264 psi	141	°C	ASTM D 648

Electrical properties	Value	Unit	Test Standard
ASTM Data			
Dielectric Constant, 60 Hz	2.93	-	ASTM D 150
Surface Resistivity	1E16	Ohm	ASTM D 257

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	0.06	%	ASTM D 570
Density	1310	kg/m ³	ASTM D 792

Characteristics**Processing**

Injection Molding

Special Characteristics

Heat stabilized or stable to heat

Features

Amorphous, Low Warpage

Chemical Resistance

Hydrolytically Stable

Certifications

Food contact, Food approval NSF 51, Drinking water contact NSF 61

Applications

Building Construction

Regional Availability

Asia Pacific