

NORYL™ Resin ENG265 - Americas

(PPE+PS)

Saudi Basic Industries Corporation (SABIC)

Product Texts

NORYL™ ENG265 resin is a non-reinforced blend of polyphenylene ether (PPE) + high impact polystyrene (HIPS). This material is suitable for profile extrusion and exhibits very good hydrolytic stability, low moisture absorption, good dimensional stability. NORYL ENG265 resin is an excellent candidate for a variety of profile extrusion applications. *See ENG265F resin for NSF 61 certification.

UL Yellow Card Link [F121562-221150](https://www.ul.com/yellow-card-link/F121562-221150)

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	8	cm ³ /10min	ISO 1133
Temperature	280	°C	-
Load	5	kg	-
ASTM Data			
Melt Flow Index, MFI	8.5	g/10min	ASTM D 1238
Temperature	280	°C	-
Load	5	kg	-
Mechanical properties			
ISO Data			
Tensile Modulus	2550	MPa	ISO 527
Yield stress	55	MPa	ISO 527
Yield strain	3.1	%	ISO 527
Stress at break	50	MPa	ISO 527
Strain at break	27	%	ISO 527
Flexural modulus	2500	MPa	ISO 178
Flexural strength	95	MPa	ISO 178
Izod notched impact strength, +23°C, 4mm	13	kJ/m ²	ISO 180/1A
Izod notched impact strength, -30°C, 4mm	8	kJ/m ²	ISO 180/1A
ASTM Data			
Tensile Modulus	2400	MPa	ASTM D 638
Tensile Strength at Yield	56	MPa	ASTM D 638
Tensile Strength at Break	50	MPa	ASTM D 638
Elongation at Yield	3.3	%	ASTM D 638
Elongation at Break	28	%	ASTM D 638
Flexural Modulus	2550	MPa	ASTM D 790
Rockwell Hardness	R 119	-	ASTM D 785
Izod Impact notched, 1/8 in	186	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	114	J/m	ASTM D 256
Temperature	-30	°C	-
Thermal properties			
ISO Data			
Vicat softening temperature, B	137	°C	ISO 306
Vicat softening temperature, 120°C/h 50N	141	°C	ISO 306
Burning behav. at 1.5 mm nom. thickn.	HB	class	IEC 60695-11-10
Thickness tested	1.5	mm	-
ASTM Data			
DTUL @ 66 psi	132	°C	ASTM D 648
DTUL @ 264 psi	118	°C	ASTM D 648
Electrical properties			
ASTM Data			
Dielectric Strength, Short Time	19.7	kV/mm	ASTM D 149
Dissipation Factor, 60 Hz	0.0004	-	ASTM D 150
Dielectric Constant, 60 Hz	2.65	-	ASTM D 150
Other properties			
Density	1060	kg/m ³	ASTM D 792

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Characteristics

Chemical Resistance

Hydrolytically Stable

Regional Availability

North America