

Product Texts

NORYL™ EN265 resin is a non-reinforced blend of polyphenylene ether (PPE) + high impact polystyrene (HIPS). This high heat extrusion grade contains non-brominated, non-chlorinated flame retardant and carries a UL94 flame rating of v0 at 6mm and V1 at 1.5mm along with UL746C outdoor weatherability rating of F1. NORYL EN265 resin exhibits excellent impact strength, very low moisture absorption, good dimensional stability, and great machinability. NORYL EN265 resin is an excellent candidate for a variety of indoor and outdoor electrical applications including trunking and conduit.

UL Yellow Card Link [E121562-221239](https://www.ul.com/yellow-card/E121562-221239)

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Yield	63	MPa	ASTM D 638
Elongation at Break	25	%	ASTM D 638
Rockwell Hardness	R 119	-	ASTM D 785
Izod Impact notched, 1/8 in	186	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.	V-1	class	IEC 60695-11-10
Thickness tested	1.5	mm	-
Burning behav. at thickness h	V-0	class	IEC 60695-11-10
Thickness tested	6.0	mm	-
Glow Wire Flammability Index (GWFI)	900	°C	IEC 60695-2-12
Glow Wire Flammability Index (GWFI)	960	°C	IEC 60695-2-12
Glow Wire Flammability Index (GWFI)	960	°C	IEC 60695-2-12
Glow Wire Ignition Temperature (GWIT)	700	°C	IEC 60695-2-13
GWIT - thickness tested (1)	1	mm	-
Glow Wire Ignition Temperature (GWIT)	725	°C	IEC 60695-2-13
GWIT - thickness tested (2)	2	mm	-
Glow Wire Ignition Temperature (GWIT)	725	°C	IEC 60695-2-13
GWIT - thickness tested (3)	3	mm	-

Electrical properties	Value	Unit	Test Standard
ASTM Data			
Dielectric Strength, Short Time	19.6	kV/mm	ASTM D 149
Dissipation Factor, 60 Hz	0.0007	-	ASTM D 150
Dielectric Constant, 60 Hz	2.69	-	ASTM D 150

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

Characteristics

Additives

Flame retarding agent

Regional Availability

North America

Special Characteristics

Flame retardant