

**NORYL™ Resin EN185 - Americas**

(PPE+PS)

Saudi Basic Industries Corporation (SABIC)

**Product Texts**

NORYL™ EN185 resin is a non-reinforced blend of polyphenylene ether (PPE) + high impact polystyrene (HIPS). This extrusion grade contains non-brominated, non-chlorinated flame retardant and carries a UL94 flame rating of v0 at 3mm and V1 at 1.5mm. NORYL EN185 resin exhibits excellent impact strength, very low moisture absorption, good dimensional stability, and great machinability. NORYL EN185 resin is an excellent candidate for a variety of applications including fiber optic ducting,

UL Yellow Card Link [E121562-221153](https://www.ulprospector.com/usa/Products/Plastics/221153)

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Tensile Strength at Yield	<b>42</b>	MPa	ASTM D 638
Elongation at Break	<b>50</b>	%	ASTM D 638
Rockwell Hardness	<b>R 113</b>	-	ASTM D 785
Izod Impact notched, 1/8 in	<b>389</b>	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	<b>160</b>	J/m	ASTM D 256
Temperature	<b>-40</b>	°C	-

<b>Thermal properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Burning behav. at 1.5 mm nom. thickn.	<b>V-1</b>	class	IEC 60695-11-10
Thickness tested	<b>1.5</b>	mm	-
Burning behav. at thickness h	<b>V-0</b>	class	IEC 60695-11-10
Thickness tested	<b>3.0</b>	mm	-

<b>Electrical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Dissipation factor, 1MHz	<b>35</b>	E-4	IEC 62631-2-1
<b>ASTM Data</b>			
Dielectric Strength, Short Time	<b>24.8</b>	kV/mm	ASTM D 149
Dissipation Factor, 60 Hz	<b>0.004</b>	-	ASTM D 150
Dielectric Constant, 60 Hz	<b>2.8</b>	-	ASTM D 150

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Density	<b>1080</b>	kg/m <sup>3</sup>	ASTM D 792

**Characteristics****Additives**

Flame retarding agent

**Regional Availability**

North America

**Special Characteristics**

Flame retardant