

**NORYL™ Resin 141E**

(PPE+PS)-CD

Saudi Basic Industries Corporation (SABIC)

**Product Texts**

NORYL 141E compound is based on Polyphenylene Ether (PPE) resin containing conductive carbon powder. Added features of this grade include: Electrically Conductive.

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Flexural Modulus	<b>2650</b>	MPa	ASTM D 790
Flexural Strength	<b>88</b>	MPa	ASTM D 790
Izod Impact notched, 1/8 in	<b>59</b>	J/m	ASTM D 256

<b>Thermal properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
DTUL @ 66 psi	<b>130</b>	°C	ASTM D 648

<b>Electrical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Surface Resistivity	<b>10000</b>	Ohm	ASTM D 257

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Density	<b>1090</b>	kg/m <sup>3</sup>	ASTM D 792

<b>Processing Recommendation Injection Molding</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Pre-drying - Temperature	<b>100</b>	°C	-
Pre-drying - Time	<b>3 - 5</b>	h	-
Processing humidity	<b>≤0.02</b>	%	-
Melt temperature	<b>270 - 310</b>	°C	-
Mold temperature	<b>70 - 110</b>	°C	-
Zone 1	<b>250 - 290</b>	°C	-
Zone 2	<b>260 - 300</b>	°C	-
Zone 3	<b>270 - 310</b>	°C	-

**Characteristics****Processing**

Injection Molding

**Regional Availability**

North America, Europe, Asia Pacific

**Special Characteristics**

Increased electrical conductivity