

**NORYL™ Resin N802 - Americas**

(PPE+PS)

Saudi Basic Industries Corporation (SABIC)

**Product Texts**

NORYL™ N802 resin is a non-reinforced blend of polyphenylene ether (PPE) + high impact polystyrene (HIPS). This injection moldable grade contains non-brominated, non-chlorinated flame retardant and carries a UL94 flame rating of V2 at 0.8mm. NORYL N802 resin exhibits high flow, good dimensional stability, and low specific gravity. It is an excellent candidate for a variety of printer applications.

UL Yellow Card Link [E121562-101771660](https://www.ul.com/yellow-card/E121562-101771660)

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Melt Flow Index, MFI	<b>21</b>	g/10min	ASTM D 1238
Temperature	<b>260</b>	°C	-
Load	<b>2.16</b>	kg	-

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Flexural Modulus	<b>2150</b>	MPa	ASTM D 790
Flexural Strength	<b>53</b>	MPa	ASTM D 790
Izod Impact notched, 1/8 in	<b>78</b>	J/m	ASTM D 256

<b>Thermal properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Burning behav. at thickness h	<b>V-2</b>	class	IEC 60695-11-10
Thickness tested	<b>0.8</b>	mm	-

<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

<b>Processing Recommendation Injection Molding</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Pre-drying - Temperature	<b>80 - 85</b>	°C	-
Pre-drying - Time	<b>2 - 4</b>	h	-
Melt temperature	<b>230</b>	°C	-
Mold temperature	<b>40 - 65</b>	°C	-
Zone 1	<b>175 - 225</b>	°C	-
Zone 2	<b>190 - 230</b>	°C	-
Zone 3	<b>190 - 230</b>	°C	-
Screw speed	<b>20 - 100</b>	rpm	-
Back pressure	<b>0.3 - 0.7</b>	MPa	-

**Characteristics****Processing**

Injection Molding

**Special Characteristics**

Flame retardant

**Additives**

Flame retarding agent

**Regional Availability**

North America