

**Product Texts**

NORYL™ EM6101 is a non-reinforced blend of polyphenylene ether (PPE) + high impact polystyrene (HIPS). This grade has improved flow characteristics and overall processing economy with a heat deflection temperature (HDT) of 123c and good property retention over a wide temperature range. NORYL EM6101 resin is an excellent candidate for automotive interior applications.

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Tensile Strength at Yield	<b>53</b>	MPa	ASTM D 638
Elongation at Break	<b>50</b>	%	ASTM D 638
Izod Impact notched, 1/8 in	<b>320</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>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Density	<b>1050</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>95 - 105</b>	°C	-
Pre-drying - Time	<b>3 - 4</b>	h	-
Processing humidity	<b>≤0.02</b>	%	-
Melt temperature	<b>265 - 295</b>	°C	-
Mold temperature	<b>65 - 95</b>	°C	-
Zone 1	<b>230 - 280</b>	°C	-
Zone 2	<b>245 - 290</b>	°C	-
Zone 3	<b>255 - 295</b>	°C	-
Screw speed	<b>20 - 100</b>	rpm	-
Back pressure	<b>0.3 - 0.7</b>	MPa	-

**Characteristics**

**Processing**

Injection Molding

**Regional Availability**

North America