

**NYLENE® 603**

PA6

Polymeric Resources Corporation

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Tensile Strength	<b>82.7</b>	MPa	ASTM D 638
Izod Impact notched, 1/8 in	<b>187</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>166</b>	°C	ASTM D 648
DTUL @ 264 psi	<b>54.4</b>	°C	ASTM D 648

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Density	<b>1120</b>	kg/m <sup>3</sup>	ASTM D 792

<b>Processing Recommendation Extrusion</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Pre-drying - Temperature	<b>82</b>	°C	-
Pre-drying - Time	<b>2 - 4</b>	h	-
Melt temperature	<b>232 - 243</b>	°C	-
Feed temperature	<b>216 - 227</b>	°C	-
Zone 1	<b>227 - 238</b>	°C	-
Zone 2	<b>232 - 243</b>	°C	-
Nozzle temperature	<b>232 - 243</b>	°C	-

**Characteristics****Processing**

Pipe/Tube Extrusion, Profile Extrusion, Wire/Cable Extrusion, Other Extrusion

**Additives**

Lubricants, Plasticizer

**Applications**

Monofilament

**Regional Availability**

North America