

**NYLENE® 9533**

PA612-GF33

Polymeric Resources Corporation

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Mold Shrinkage, MD	<b>0.002</b>	mm/mm	ASTM D 955

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Tensile Modulus	<b>9308</b>	MPa	ASTM D 638
Tensile Strength	<b>155</b>	MPa	ASTM D 638
Flexural Modulus	<b>7736</b>	MPa	ASTM D 790
Izod Impact notched, 1/8 in	<b>112</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 @ 264 psi	<b>199</b>	°C	ASTM D 648
Melting Temperature	<b>216</b>	°C	ASTM D 3418

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Density	<b>1330</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>66 - 82</b>	°C	-
Pre-drying - Time	<b>2 - 4</b>	h	-
Melt temperature	<b>65.6 - 121</b>	°C	-
Maximum residence time	<b>6</b>	min	-

**Characteristics****Processing**

Injection Molding

**Special Characteristics**

High impact or impact modified, Heat stabilized or stable to heat

**Applications**

Automotive, Electrical and Electronical, General Purpose

**Regional Availability**

North America