

**NYLENE® NX3055i**

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>75.8</b>	MPa	ASTM D 638
Flexural Modulus	<b>2758</b>	MPa	ASTM D 790
Izod Impact notched, 1/8 in	<b>42.7</b>	J/m	ASTM D 256

<b>Thermal properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Melting Temperature	<b>220</b>	°C	ASTM D 3418

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Density	<b>1130</b>	kg/m <sup>3</sup>	ASTM D 792

<b>Film Properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Tensile Strength, MD	<b>59.6</b>	MPa	ASTM D 882

**Characteristics****Processing**

Blown Film Extrusion, Film Extrusion, Pipe/Tube Extrusion, Profile Extrusion

**Special Characteristics**

Heat stabilized or stable to heat

**Features**

Barrier Properties, Melt Strength

**Chemical Resistance**

General Chemical Resistance, Grease Resistance, Oxidation Resistance

**Certifications**

Food contact, Food approval FDA 21 CFR

**Applications**

Packaging

**Regional Availability**

North America