Noryl®
PPO+PS

Thermoplastic resin

Available in Sheet & Rod

Noryl Overview
Noryl is a strong thermoplastic with outstanding strength, stiffness, mechanical, thermal, and electrical properties. Low moisture absorption and low thermal expansion make Noryl one of the most dimensionally stable thermoplastics available. It is widely used for electrical housings and structural components since it has excellent insulating properties, flame resistance, and dimensional stability over a wide range of service temperatures, and is often selected for fluid handling applications since it has low moisture absorption and excellent strength and stiffness. Noryl is easily machined, fabricated, painted and glued.

Noryl Applications
• Manifolds
• Pump, valve, and fitting applications
• Brackets
• Structural components
• Internal appliance components
• Scientific and analytical instrument components
• Electrical housings
• Covers
• Electrical components

Noryl Features
• Excellent dimensional stability
• Low moisture absorption
• Wide range of service temperatures
• Good impact resistance
• High dielectric strength
• Easy to fabricate, paint, and glue
• Excellent flammability rating

Noryl Specifications
<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Friction Coefficient</td>
<td>0.39</td>
</tr>
<tr>
<td>Tensile Strength</td>
<td>8300 - 9600 PSI</td>
</tr>
<tr>
<td>Flexural Strength</td>
<td>12900 - 13500 PSI</td>
</tr>
<tr>
<td>Shear Strength</td>
<td>8300 PSI</td>
</tr>
<tr>
<td>Impact Strength, Notched Izod</td>
<td>2.9 - 5 Ft-lbs/Inch</td>
</tr>
<tr>
<td>Hardness (Rockwell &amp; Burnell)</td>
<td>M92, R119</td>
</tr>
<tr>
<td>Deflection Temperature (264 PSI)</td>
<td>260 - 265F</td>
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<tr>
<td>Specific Gravity</td>
<td>1.08</td>
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<tr>
<td>Melting Point</td>
<td>310°F</td>
</tr>
<tr>
<td>Elongation</td>
<td>23% - 30%</td>
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</tbody>
</table>

*Specs accurate at 73°F

Noryl is a registered trademark of SABIC Innovative Plastics Holding BV.

WARNING: This product can expose you to chemicals including Carbon Black, CAS 1333-86-5, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov

WARNING: This product can expose you to chemicals including METHYL PYRROLIDONE, CAS 872-50-4, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov