

**NYLENE® 600**

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>37.4</b>  | J/m         | ASTM D 256           |

| <b>Thermal properties</b> | <b>Value</b> | <b>Unit</b> | <b>Test Standard</b> |
|---------------------------|--------------|-------------|----------------------|
| <b>ASTM Data</b>          |              |             |                      |
| UL 94 Flame rating        | <b>V-2</b>   | -           | UL 94                |
| Thickness tested          | <b>1.47</b>  | mm          | -                    |
| DTUL @ 264 psi            | <b>62.2</b>  | °C          | ASTM D 648           |

| <b>Other properties</b> | <b>Value</b> | <b>Unit</b>       | <b>Test Standard</b> |
|-------------------------|--------------|-------------------|----------------------|
| Density                 | <b>1140</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>249 - 260</b> | °C          | -                    |
| Feed temperature                           | <b>232 - 243</b> | °C          | -                    |
| Zone 1                                     | <b>243 - 254</b> | °C          | -                    |
| Zone 2                                     | <b>249 - 260</b> | °C          | -                    |
| Nozzle temperature                         | <b>249 - 260</b> | °C          | -                    |

**Characteristics****Processing**

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

**Features**

Fatigue Resistance

**Applications**

General Purpose

**Regional Availability**

North America