### Pipe Applications

#### TYPICAL PROPERTIES

<table>
<thead>
<tr>
<th>PHYSICAL</th>
<th>MECHANICAL</th>
<th>SLOW CRACK GROWTH RESISTANCE</th>
<th>CONFORMANCE</th>
<th>SPECIFIC CHARACTERISTICS</th>
</tr>
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<tbody>
<tr>
<td>Melt Indices</td>
<td>Density</td>
<td>Flexural Modulus</td>
<td>Tensile Stress @ Yield</td>
<td>Bent Strip, ESCR, Condition B, 150 (100% Teqpyll)</td>
</tr>
<tr>
<td>190°C/2.16 kg</td>
<td>190°C/5 kg</td>
<td>190°C/21.6 kg</td>
<td>(23°C)</td>
<td></td>
</tr>
</tbody>
</table>

#### Units of Measure

- g/10 min
- g/cm³
- psi
- psi
- hr
- hr

#### Conduit Resins

- **Alathon L4930TC**
  - Melt Index: 0.3
  - Density: 1.1
  - Flexural Modulus: 26
  - Tensile Stress: 0.049
  - 13600 psi
  - 3600 psi
  - >1000 psi
  - PE 435540A
- **Alathon L5040TC**
  - Melt Index: 0.39
  - Density: 0.949
  - Flexural Modulus: 3600 psi
  - Tensile Stress: 138000 psi
  - >1000 psi
  - PE 435580A
- **Petrothene LT4039M1**
  - Melt Index: 0.34
  - Density: 0.948
  - Flexural Modulus: 131600 psi
  - Tensile Stress: 3500 psi
  - >1000 psi
  - PE 435530A

#### Corrugated Resins

- **Alathon 8505M-3**
  - Melt Index: 0.07
  - Density: 0.949
  - Flexural Modulus: 136000 psi
  - Tensile Stress: 3540 psi
  - >1000 psi
  - PE 445540A
- **Alathon L5332CP**
  - Melt Index: 0.32
  - Density: 0.953
  - Flexural Modulus: 160000 psi
  - Tensile Stress: 4000 psi
  - >1000 psi
  - PE 435500A

#### Pressure Pipe

- **Alathon L4904**
  - Melt Index: 0.04
  - Density: 0.18
  - Flexural Modulus: 7
  - Tensile Stress: 144000 psi
  - 3500 psi
  - 5000 psi
  - 1600 psi
  - 1000 psi
  - PE 448574C CC3, PE 448574E CC0, PE 448576C CC3, PE 448576E CC0
- **Alathon L5006B**
  - Melt Index: 0.07
  - Density: 16
  - Flexural Modulus: 0.049
  - Tensile Stress: 141000 psi
  - 3560 psi
  - 3200 psi
  - 1600 psi
  - 1000 psi
  - PE 448574C CC1, PE 448574E CC0

#### Resins for Cross-Linked Pipes

- **Alathon M5370PX**
  - Melt Index: 6.8
  - Density: 0.953
  - Flexural Modulus: 151000 psi
  - Tensile Stress: 4110 psi
  - PE 415600A
- **Lupolen S261 Z Q 456**
  - Melt Index: 2
  - Density: 0.954
  - Flexural Modulus: 176000 psi
  - Tensile Stress: 4160 psi
  - PE 446600A
- **Lupolen S261 Z Q 456B**
  - Melt Index: 0.16
  - Density: 3
  - Flexural Modulus: 177000 psi
  - Tensile Stress: 4120 psi
  - PE 446600A
- **Lupolen S461 B Q 471NA**
  - Melt Index: 0.27
  - Density: 10
  - Flexural Modulus: 154000 psi
  - Tensile Stress: 4200 psi
  - PE 4485500A

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