

# TR418YL

## Description

<b>Characteristics</b>	<ul style="list-style-type: none"> <li>▪ PE80 Equivalent Materials</li> <li>▪ Outstanding Stress Cracking Resistance</li> <li>▪ Hexene Comonomer</li> <li>▪ Excellent Processability</li> </ul>
<b>Applications</b>	<ul style="list-style-type: none"> <li>▪ Gas Pipe</li> <li>▪ Oil &amp; Engineering Pipe</li> </ul>
<b>Processing Recommendation</b>	Processing Temperature 190~ 220°C
<b>Specification data</b>	Complies with FDA 21 CFR 177. 1520

## Physical Properties

Resin Properties	Unit	Test Method	TR418YL
Density	g/cm <sup>3</sup>	ASTM D1505	0.939
Melt Index (190°C, 2.16kg)	g/10min	ASTM D1238	0.20
Vicat Softening Point	°C	ASTM D1525	123
Melting Temperature	°C	ASTM D3418	127
Additives	-	-	AO
Sheet Properties	Unit	Test Method	TR418YL
Tensile Strength at Yield	kg/cm <sup>2</sup>	ASTM D638	190
Elongation at Break	%	ASTM D638	>600
Izod Impact Strength (Notch, 23°C)	kg-cm/cm	ASTM D256	Non Break
Flexural Modulus	kg/cm <sup>2</sup>	ASTM D790	6,000
ESCR (Condition B, F50)	hr	ASTM D1693	>5,000
OIT (200°C, Al Pan)	min	ASTM D3895	>60

1. Physical properties reported herein were determined on compression molded specimens prepared in accordance with ASTM D4703
2. Additives : AO (Antioxidant)
3. These are typical properties only and are not to be construed as specifications.

\*NOTICE: Prior to use for any commercial purpose, the customer is fully responsible for determining its suitability for intended application and for ensuring its disposal practices are in compliance with applicable laws and other governmental enactments. DAELIM assumes no obligation or liability in this regard. NO WARRANTIES ARE GIVEN; ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY EXCLUDED.