

**XP9000** PE-RT Type I**Description**

<b>Characteristics</b>	<ul style="list-style-type: none"> <li>▪ Excellent Long Term Hydrostatic Strength</li> <li>▪ Excellent Surface Appearance</li> <li>▪ Excellent Low-temp Impact Strength</li> <li>▪ Excellent Processability</li> </ul>
<b>Applications</b>	<ul style="list-style-type: none"> <li>▪ Heating Pipe</li> <li>▪ Pipe for Hot &amp; Cold Water</li> </ul>
<b>Processing Recommendation</b>	Processing Temperature 180~220°C
<b>Specification data</b>	Complies with FDA 21 CFR 177. 1520

**Physical Properties - PERT**

Resin Properties	Unit	Test Method	XP9000
Density	g/cm <sup>3</sup>	ASTM D1505	0.935
Melt Index (190°C, 2.16 kg)	g/10min	ASTM D1238	0.6
Vicat Softening Temperature	°C	ASTM D1525	122
Melting Temperature	°C	ASTM D3418	125
Additives	-	-	AO, PPA
Sheet Properties	Unit	Test Method	XP9000
Tensile Strength at Break	kg/cm <sup>2</sup>	ASTM D638	400
Elongation at Break	%	ASTM D638	850
Flexural Modulus	kg/cm <sup>2</sup>	ASTM D790	6000
Izod Impact Strength (Notch, -30°C)	kg-cm/cm	ASTM D256	10
ESCR (Condition B, F50)	hr	ASTM D1693	> 10000
Gloss(45°)	-	ASTM D2457	75

- Physical properties reported herein were determined on compression molded specimens prepared in accordance with ASTM D4703
- Additives : AO(Antioxidant), PPA(Polymer Processing Aid)
- 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..