

XP9020 PE-RT Type II**Description**

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

Physical Properties

Resin Properties	Unit	Test Method	XP9020
Density	g/cm ³	ASTM D1505	0.941
Melt Index (190°C, 2.16kg)	g/10min	ASTM D1238	0.14
Vicat Softening Temperature	°C	ASTM D1525	122
Melting Temperature	°C	ASTM D3418	126
Additives	-	-	AO, PPA
Sheet Properties	Unit	Test Method	XP9020
Tensile Strength at Yield	kg/cm ²	ASTM D638	220
Elongation at Break	%	ASTM D638	>600
Flexural Modulus	kg/cm ²	ASTM D790	6,200
Izod Impact Strength (Notch, -30°C)	kg-cm/cm	ASTM D256	12
ESCR (Condition B, F50)	hr	ASTM D1693	>10,000
Gloss (45°)	-	ASTM D2457	70

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

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