

Metallocene High Density Polyethylene

XP9020 PE-RT Type II

Description

Characteristics	▪ Excellent Long Term Hydrostatic Strength ▪ Excellent Low-temp Impact Strength ▪ Excellent Processability
Applications	▪ 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 - PERT

Resin Properties		Unit	Test Method	XP9020
Density		g/cm ³	ASTM D1505	0.941
Melt Index (190°C)	2.16 kg	g/10min	ASTM D1238	0.14
	5 kg			0.45
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 Break		kg/cm ²	ASTM D638	430
Elongation at Break		%	ASTM D638	850
Flexural Modulus		kg/cm ²	ASTM D790	6200
Izod Impact Strength (Notch, -30°C)		kg-cm/cm	ASTM D256	12
ESCR (Condition B, F50)		hr	ASTM D1693	> 10000
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.

*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.

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