High Density Polyethylene

DaelimPoly

TR418

Description

Characteristics	▪ PE80 Equivalent Materials ▪ Hexene Comonomer ▪ Outstanding Stress Cracking Resistance ▪ Excellent Processabilities
Applications	▪ Gas Pipe ▪ Oil & Engineering Pipe
Processing Recommendation	Processing Temperature 190~ 220℃
Specification data	Complies with FDA 21 CFR 177. 1520

Physical Properties

Resin Properties	Unit	Test Method	TR418
Density	g/㎤	ASTM D1505	0.937
Melt Index (190℃, 2.16kg)	g/10min	ASTM D1238	0.20
Vicat Softening Point	℃	ASTM D1525	123
Melting Temperature	℃	ASTM D3418	127
Additives	-	-	AO
Sheet Properties	**Unit**	**Test Method**	**TR418**
Tensile Strength at Break	kg/㎠	ASTM D638	400
Elongation at Break	%	ASTM D638	>600
Flexural Modulus	kg/㎠	ASTM D790	Non Break
Izod Impact Strength (Notch, -30℃)	kg-㎝/㎝	ASTM D256	6,500
ESCR (Condition B, F0)	hr	ASTM D1693	>2,000
OIT(200℃, Al Pan)	min	ASTM D 3895	>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.

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