

High Density Polyethylene

TR480BL

Description

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

Physical Properties

Resin Properties	Unit	Test Method	TR480BL
Density	g/cm ³	ASTM D1505	0.954
Melt Index (190°C, 5.0kg)	g/10min	ASTM D1238	0.65
Vicat Softening Point	°C	ASTM D1525	125
Melting Temperature	°C	ASTM D3418	129
Additives	-	-	AO
Sheet Properties	Unit	Test Method	TR480BL
Tensile Strength at Break	kg/cm ²	ASTM D638	400
Elongation at Break	%	ASTM D638	> 600
Flexural Modulus	kg/cm ²	ASTM D790	Non Break
Izod Impact Strength (Notch, -30°C)	kg-cm/cm	ASTM D256	8,000
ESCR (Condition B, F0)	hr	ASTM D1693	>2,000
OIT(200°C, Al Pan)	min	ASTM D 3895	>60

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