

High Density Polyethylene

TR402

Description

Characteristics	▪ Good Processabilities ▪ High Stiffness ▪ Excellent Impact Strength
Applications	▪ Water 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	TR402
Density	g/cm ³	ASTM D1505	0.944
Melt Index (190°C, 2.16kg)	g/10min	ASTM D1238	0.11
Vicat Softening Point	°C	ASTM D1525	124
Melting Temperature	°C	ASTM D3418	128
Additives	-	-	AO
Sheet Properties	Unit	Test Method	TR402
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, F20)	hr	ASTM D1693	>2,000
OIT(200°C, Al Pan)	min	ASTM D 3895	>40

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.

NO WARRANTIES ARE GIVEN; ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY EXCLUDED..