

High Density Polyethylene

50100

Description

Characteristics	▪ Excellent processability ▪ High melt strength ▪ Good impact strength
Applications	▪ Industrial large drum ▪ Sheet ▪ Film
Processing Recommendation	Processing Temperature 190~ 230°C
Specification data	Complies with FDA 21 CFR 177. 1520

Physical Properties

Resin Properties	Unit	Test Method	50100
Density	g/cm ³	ASTM D1505	0.948
Melt Index (190°C, 21.6 kg)	g/10min	ASTM D1238	9.0
Vicat Softening Point	°C	ASTM D1525	125
Melting Temperature	°C	ASTM D3418	130
Additives	-	-	AO
Sheet Properties	Unit	Test Method	50100
Tensile Strength at Yield	kg/cm ²	ASTM D638	260
Elongation at Break	%	ASTM D638	> 700
Flexural Modulus	kg/cm ²	ASTM D790	12,000
Izod Impact Strength (Notch, -30°C)	kg-cm/cm	ASTM D256	50
ESCR (Condition B, F50)	hr	ASTM D1693	> 600

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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