

High Density Polyethylene



TR144

Description

Characteristics	▪ Good Elongation Property ▪ Good Heat Seal Property ▪ Excellent Thin Film Processability ▪ Good Film Softness
Applications	▪ Shopping bag, Trash bag ▪ Genenal & Industrial Film
Processing Recommendation	Processing Temperature 180~ 210°C
Specification data	Complies with FDA 21 CFR 177. 1520

Physical Properties

Resin Properties	Unit	Test Method	TR144
Density	g/cm ³	ASTM D1505	0.945
Melt Index (190°C, 2.16 kg)	g/10min	ASTM D1238	0.18
Vicat Softening Point	°C	ASTM D1525	124
Melting Temperature	°C	ASTM D3418	129
Additives	-	-	AO
Sheet Properties	Unit	Test Method	TR144
Tensile Strength at Break	kg/cm ²	ASTM D638	500/450
Elongation at Break	%	ASTM D638	500/600
Elmendorf Tear Strength(MD/TD)	kg/cm ²	ASTM D790	30/260
Dart impact Strength	kg-cm/cm	ASTM D256	180

1. Film Processing Condition : Φ40mm Blown Film Extruder, 190°C, BUR 4.0, Φ100mm Die, Film thickness 0.025mm
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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