

High Density Polyethylene

5502HS

Description

Characteristics	▪ Excellent processability ▪ Good stiffness ▪ Good impact strength
Applications	▪ Small & medium bottle (Food, Detergent, Bleach, Cosmetic, Shampoo etc.)
Processing Recommendation	Processing Temperature 180~ 200°C
Specification data	Complies with FDA 21 CFR 177. 1520

Physical Properties

Resin Properties	Unit	Test Method	5502HS
Density	g/cm ³	ASTM D1505	0.960
Melt Index (190°C, 2.16 kg)	g/10min	ASTM D1238	0.18
Vicat Softening Point	°C	ASTM D1525	129
Melting Temperature	°C	ASTM D3418	134
Additives	-	-	AO
Sheet Properties	Unit	Test Method	5502HS
Tensile Strength at Yield	kg/cm ²	ASTM D638	310
Elongation at Break	%	ASTM D638	> 500
Flexural Modulus	kg/cm ²	ASTM D790	16,000
Izod Impact Strength (Notch, -30°C)	kg-cm/cm	ASTM D256	70
ESCR (Condition B, F50)	hr	ASTM D1693	50

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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