

High Density Polyethylene HA7260

Description:

HA7260 is a high-density polyethylene, developed for the injection molding, easy to process and with high productivity.

This resin has a good melt flow with high rigidity and hardness. Its narrow molar mass distribution results in a low tendency to warpage.

Application:

Pails & basins, Toys, Lids, Thin-walled parts and Housewares

Process:

Injection Molding

Control Properties:

	ASTM Methods	Units	Values
Melt Flow Rate (190/2.16)	D 1238	g/10 min	20
Density	D 792	g/cm ³	0.955

Typical Properties:

Plaque Properties^a

	ASTM Methods	Units	Values
Tensile Strength at Yield	D 638	MPa	29
Tensile Elongation at Yield	D 638	%	7,2
Flexural Modulus – 1% Secant	D 790	MPa	1350
Shore D Hardness	D 2240	-	64
Notched Izod Impact Strength	D 256	J/m	25
Environmental Stress Cracking Resistance ^b	D 1693	h/F50	< 4
Vicat Softening Temperature at 10 N	D 1525	°C	124
Deflection Temperature under Load at 0.455 MPa	D 648	°C	74

(a) Test specimens prepared from compression molded sheet made according to ASTM D 4703. (b) Compression molded 2 mm thickness, 0.3 mm notched-plaques; 100% Igepal; 50°C

