

BL5200

High Density Polyethylene

Description

Smooth surface, Good ESCR, Anti-static

Application

Suitable for bottle (small, medium), Toy

Properties			
Physical	Testing methods	Nominal values	
Density	ASTM D 1505	g/cm ³	0.961-0.965
Melt Flow Rate	ASTM D 1238	g/10min	0.24-0.38
Mechanical			
Tensile Strength at Yield (min.)	ASTM D 638	kg/cm ²	250
Elongation at Break (min.)	ASTM D 638	%	500
Flexural Modulus (min.)	ASTM D790	kg/cm ²	12,500
Impact			
Izod Impact Strength (23 ⁰ C) (min.)	ASTM D256	kg cm/cm	40
Thermal			
Vicat Softening Point (min.)	ASTM D1525	⁰ C	123
Additional properties			
Rockwell Hardness (min.)	ASTM D785	R	60
Environmental Stress Cracking Resistance (F50) (min.)	ASTM D1693	hr	20