

## 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 <sup>3</sup>	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 <sup>2</sup>	250
Elongation at Break (min.)	ASTM D 638	%	500
Flexural Modulus (min.)	ASTM D790	kg/cm <sup>2</sup>	12,500
Impact			
Izod Impact Strength (23 <sup>0</sup> C) (min.)	ASTM D256	kg cm/cm	40
Thermal			
Vicat Softening Point (min.)	ASTM D1525	<sup>0</sup> C	123
Additional properties			
Rockwell Hardness (min.)	ASTM D785	R	60
Environmental Stress Cracking Resistance (F50) (min.)	ASTM D1693	hr	20