

## J2200

## High Density Polyethylene

### Description

High stiffness, Good chemical resistance

### Application

Crate, House wares, Bottle cap

Properties			
Physical	Testing methods	Nominal values	
Density	ASTM D 1505	g/cm <sup>3</sup>	0.963-0.968
Melt Flow Rate	ASTM D 1238	g/10min	4.5-5.5
Mechanical			
Tensile Strength at Yield (min.)	ASTM D 638	kg/cm <sup>2</sup>	230
Elongation at Break (min.)	ASTM D 638	%	500
Flexural Modulus (min.)	ASTM D790	kg/cm <sup>2</sup>	11,500
Impact			
Izod Impact Strength (23 <sup>0</sup> C) (min.)	ASTM D256	kg cm/cm	6
Thermal			
Vicat Softening Point (min.)	ASTM D1525	°C	124
Heat distortion temperature (4,6 kg/cm <sup>2</sup> ) (min.)	ASTM D648	°C	70
Additional properties			
Rockwell Hardness (min.)	ASTM D785	R	60
Environmental Stress Cracking Resistance (F50) (min.)	ASTM D1693	hr	4

## **POLYMER SM**

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