

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 ³	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 ²	230
Elongation at Break (min.)	ASTM D 638	%	500
Flexural Modulus (min.)	ASTM D790	kg/cm ²	11,500
Impact			
Izod Impact Strength (23 ⁰ C) (min.)	ASTM D256	kg cm/cm	6
Thermal			
Vicat Softening Point (min.)	ASTM D1525	⁰ C	124
Heat distortion temperature (4,6 kg/cm ²) (min.)	ASTM D648	⁰ C	70
Additional properties			
Rockwell Hardness (min.)	ASTM D785	R	60
Environmental Stress Cracking Resistance (F50) (min.)	ASTM D1693	hr	4