

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	240
Tensile Strength at Break (min.)	ASTM D 638	kg/cm ²	NB
Elongation at Break (min.)	ASTM D 638	%	300
Flexural Modulus (min.)	ASTM D 790	kg/cm ²	11500
Impact			
Izod Impact Strength (23 ⁰ C) (min.)	ASTM D 256	kg cm/cm	9
Thermal			
Vicat Softening Point (min.)	ASTM D 1525	⁰ C	124
Heat distortion temperature (4,6 kg/cm ²) (min.)	ASTM D648	⁰ C	73
Additional properties			
Rockwell Hardness (min.)	ASTM D785	R	54
Environmental Stress Cracking Resistance (F50) (min.)	ASTM D1693	hr	> 5

