

## J2210

## High Density Polyethylene

### Description

Good stiffness & Impact strength

### Application

Silicon cartridge, House wares

Properties			
Physical	Testing methods	Nominal values	
Density	ASTM D 1505	g/cm <sup>3</sup>	0.958-0.962
Melt Flow Rate	ASTM D 1238	g/10min	7.0-8.0
Mechanical			
Tensile Strength at Yield (min.)	ASTM D 638	kg/cm <sup>2</sup>	220
Elongation at Break (min.)	ASTM D 638	%	300
Flexural Modulus (min.)	ASTM D790	kg/cm <sup>2</sup>	11,000
Impact			
Izod Impact Strength (23 <sup>0</sup> C) (min.)	ASTM D256	kg cm/cm	4
Thermal			
Vicat Softening Point (min.)	ASTM D1525	°C	122
Heat distortion temperature (4.6 kg/cm <sup>2</sup> ) (min.)	ASTM D648	°C	72
Additional properties			
Rockwell Hardness (min.)	ASTM D785	R	50
Environmental Stress Cracking Resistance (F50) (min.)	ASTM D1693	hr	6

## **POLYMER SM**

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