

Formosa Plastics

HDPE

7200

Product information				
Manufacturer	Formosa Plastics Corporation			
Color	NC			
Material Shape	Pellets			
Process	Injection molding			
Polymer	Copolymer			
Material Attribute	Food Contact grade Cold resistance grade C4			
Features	High flowExcellent resistance to low temperature brittlenessHigh stiffnessHigh strengthEthylene-butene copolymer			
Application	ToysThin wall food containersLabelsBasinsChairHousewares application			
Hardness	Condition	Standard	Value	Unit
Shore	Hardness D	ASTM D2240	67	
Mechanical behavior	Condition	Standard	Value	Unit
Elongation	Break	ASTM D638	700	%
Izod	Notch Impact	ASTM D256	3.5	kg-cm/cm
Tensile	Strength Yield	ASTM D638	285	kg/cm ²
Tensile	Strength Break	ASTM D638	150	kg/cm ²
Physical property	Condition	Standard	Value	Unit
Density		ASTM D1505	0.955	g/cm ³
Melt	Index 2.16kg	ASTM D1238	22	g/10min
Thermal	Condition	Standard	Value	Unit
Low	Temperature Brittleness	ASTM D746	-70.0	°C
Melting	Temperature DSC	INTERNAL METHOD	133	°C
Softening	Point	ASTM D1525	125	°C