

Asrene® SI 5230

High Density Polyethylene
Chandra Asri Petrochemical

Message:

Asrene® SI 5230 is a High Density Polyethylene product. It can be processed by injection molding and is available in Asia Pacific, Europe, or North America. Applications of Asrene® SI 5230 include caps/lids/closures, containers and household applications.

Characteristics include:

- Fast Molding Cycle
- Food Contact Acceptable
- Good Stiffness
- High Gloss

General Information			
Features	Fast Molding Cycle		
	Food Contact Acceptable		
	Good Stiffness		
	High Gloss		
Uses	Closures		
	Household Goods		
	Thin-walled Containers		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.955	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	30	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (F50)	2.00	hr	ASTM D1693
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	35.0	MPa	ASTM D638
Tensile Elongation (Break)	100	%	ASTM D638
Flexural Modulus	900	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Tensile Impact Strength	20.0	kJ/m ²	ASTM D1822
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -70.0	°C	ASTM D746
Vicat Softening Temperature	123	°C	ASTM D1525
Injection	Nominal Value	Unit	
Processing (Melt) Temp	175 to 235	°C	

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