

SCLAIR® 2316

Medium Density Polyethylene

NOVA Chemicals

Message:

SCLAIR® 2316 is a Medium Density Polyethylene material. It is available in North America for injection molding.

Important attributes of SCLAIR® 2316 are:

Antioxidant

Butene Comonomer

Fast Molding Cycle

Food Contact Acceptable

High Gloss

Typical applications include:

Caps/Lids/Closures

Engineering/Industrial Parts

Food Contact Applications

General Information			
Additive	Antioxidant		
Features	Antioxidant		
	Butene Comonomer		
	Fast Molding Cycle		
	Food Contact Acceptable		
	High Gloss		
	Low to No Odor		
	Low Warpage		
Uses	Medium Density		
	Closures		
	Lids		
Agency Ratings	Thin-walled Parts		
	FDA 21 CFR 177.1520(c) 3.1a		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.931	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	72	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	56		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	14.0	MPa	ASTM D638
Flexural Modulus	520	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method

Brittleness Temperature	-60.0	°C	ASTM D746
Vicat Softening Temperature	100	°C	ASTM D1525
NOTE			
1.	50 mm/min		

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Recommended distributors for this material

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