



SCLAIR® 2316

NOVA Chemicals - Medium Density Polyethylene

Tuesday, November 5, 2019

General Information

General

Material Status	• Commercial: Active		
Availability	• North America		
Additive	• Antioxidant		
Features	• Antioxidant • Butene Comonomer • Fast Molding Cycle	• Food Contact Acceptable • High Gloss • Low Odor	• Low Warpage • Medium Density
Uses	• Closures	• Lids	• Thin-walled Parts
Agency Ratings	• FDA 21 CFR 177.1520(c) 3.1a		
Forms	• Pellets		
Processing Method	• Injection Molding		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.933		ASTM D792
Melt Mass-Flow Rate (190°C/2.16 kg)	72	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield)	2030	psi	ASTM D638
Flexural Modulus	75400	psi	ASTM D790
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	56		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-76.0	°F	ASTM D746
Vicat Softening Temperature	212	°F	ASTM D1525

Notes

¹ Typical properties: these are not to be construed as specifications.

² 2.0 in/min