



SCLAIR® 2607

NOVA Chemicals - High Density Polyethylene

Tuesday, November 5, 2019

General Information

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Material Status	• Commercial: Active		
Availability	• North America		
Additive	• Antioxidant		
Features	• Antioxidant • Food Contact Acceptable	• Good Impact Resistance • Good Stiffness	• High Density • Low Warpage
Agency Ratings	• FDA 21 CFR 177.1520(c) 3.2a		
Forms	• Pellets		
Processing Method	• Injection Molding		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.949		ASTM D792
Melt Mass-Flow Rate (190°C/2.16 kg)	4.8	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield)	3190	psi	ASTM D638
Tensile Elongation ² (Break)	1000	%	ASTM D638
Flexural Modulus	125000	psi	ASTM D790
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	65		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	252	°F	ASTM D1525

Notes

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

² 2.0 in/min