



SCLAIR® 2906

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 • Good Impact Resistance • Good Processing Stability	• Good Toughness • High Density • High Gloss	• High Stiffness
Uses	• Safety Equipment	• Sporting Goods	
Processing Method	• Injection Molding		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.960		ASTM D792
Melt Mass-Flow Rate (190°C/2.16 kg)	2.8	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield)	4350	psi	ASTM D638
Tensile Elongation ² (Break)	1600	%	ASTM D638
Flexural Modulus	180000	psi	ASTM D790
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	70		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -94.0	°F	ASTM D746
Vicat Softening Temperature	264	°F	ASTM D1525

Notes

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

² 2.0 in/min