

SCLAIR® 2907

High Density Polyethylene
NOVA Chemicals

Message:

SCLAIR® 2907 is a High Density Polyethylene material. It is available in North America for injection molding.

Important attributes of SCLAIR® 2907 are:

- Antioxidant
- Food Contact Acceptable
- Good Toughness
- High Gloss
- High Stiffness
- Typical applications include:
- Food Contact Applications
- Safety Equipment
- Sporting Goods

General Information			
Additive	Antioxidant		
Features	Antioxidant		
	Food Contact Acceptable		
	Good Impact Resistance		
	Good Toughness		
	High Density		
	High Gloss		
	High Stiffness		
Uses	Safety Equipment		
	Sporting Goods		
Agency Ratings	FDA 21 CFR 177.1520(c) 2.2		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.960	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	4.9	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (100% Igepal, F50)	< 10.0	hr	ASTM D1693A
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	65		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	29.0	MPa	ASTM D638
Tensile Elongation ² (Break)	1500	%	ASTM D638
Flexural Modulus	1280	MPa	ASTM D790

Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	129	°C	ASTM D1525
NOTE			
1.	50 mm/min		
2.	50 mm/min		

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Recommended distributors for this material

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