

# SCLAIR® 2906

High Density Polyethylene  
NOVA Chemicals

Message:

SCLAIR® 2906 is a High Density Polyethylene material. It is available in North America for injection molding.

Important attributes of SCLAIR® 2906 are:

- Antioxidant
- Good Processability
- Good Toughness
- High Gloss
- High Stiffness
- Typical applications include:
  - Safety Equipment
  - Sporting Goods

General Information			
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		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.958	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.8	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	70		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Yield)	30.0	MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Break)	1600	%	ASTM D638
Flexural Modulus	1240	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -70.0	°C	ASTM D746
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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