

# SCLAIR® 2909

High Density Polyethylene

NOVA Chemicals

Message:

SCLAIR® 2909 is a High Density Polyethylene material. It is available in North America for injection molding.

Important attributes of SCLAIR® 2909 are:

Antioxidant

Food Contact Acceptable

High Gloss

High Stiffness

Impact Resistant

Typical applications include:

Containers

Food Contact Applications

General Information			
Additive	Antioxidant		
Features	Antioxidant		
	Food Contact Acceptable		
	High Density		
	High Gloss		
	High Impact Resistance		
	High Stiffness		
Uses	Crates		
Agency Ratings	FDA 21 CFR 177.1520(c) 2.2		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.962	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	13	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 <sup>1</sup> (Yield)	29.0	MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Break)	800	%	ASTM D638
Flexural Modulus	1280	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	129	°C	ASTM D1525
Additional Information	Nominal Value	Unit	Test Method
Snake Flow	230	mm	Internal Method
NOTE			

1.	50 mm/min
2.	50 mm/min

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Recommended distributors for this material

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