

SCLAIR® 2807

High Density Polyethylene
NOVA Chemicals

Message:

SCLAIR® 2807 is a High Density Polyethylene material. It is available in North America for injection molding.

Important attributes of SCLAIR® 2807 are:

- Antioxidant
- Food Contact Acceptable
- Good Aesthetics
- Good Processability
- Good Stiffness
- Typical applications include:
 - Caps/Lids/Closures
 - Containers
 - Food Contact Applications
 - Industrial Applications

General Information			
Additive	Antioxidant		
Features	Antioxidant		
	Food Contact Acceptable		
	Good Colorability		
	Good Organoleptic Properties		
	Good Processability		
	Good Stiffness		
	High Density		
	Low Temperature Impact Resistance		
Uses	Caps		
	Closures		
	Industrial Applications		
	Pails		
Agency Ratings	FDA 21 CFR 177.1520(c) 3.2a		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.954	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	6.7	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)	63		ASTM D2240

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	28.0	MPa	ASTM D638
Tensile Elongation ² (Break)	1300	%	ASTM D638
Flexural Modulus	1070	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	124	°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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