

SCLAIR® 8107

Linear Low Density Polyethylene
NOVA Chemicals

Message:

SCLAIR® 8107 is a Linear Low Density Polyethylene material. It is available in North America for injection molding.
Important attributes of SCLAIR® 8107 are:
Antioxidant
Butene Comonomer
Food Contact Acceptable
High ESCR (Stress Crack Resistant)
Impact Resistant
Typical applications include:
Automotive
Containers
Food Contact Applications

General Information			
Additive	Antioxidant		
Features	Antioxidant		
	Butene Comonomer		
	Food Contact Acceptable		
	High ESCR (Stress Crack Resist.)		
	Low Density		
	Low Temperature Impact Resistance		
Uses	Automotive Applications		
	Food Containers		
Agency Ratings	FDA 21 CFR 177.1520(c) 3.2a		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.925	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	4.8	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (100% Igepal, F50)	> 1000	hr	ASTM D1693A
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	52		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	10.5	MPa	ASTM D638
Tensile Elongation ² (Break)	850	%	ASTM D638
Flexural Modulus	400	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method

Vicat Softening Temperature	91.0	°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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