

# SCLAIR® 2114

Linear Low Density Polyethylene  
NOVA Chemicals

Message:

SCLAIR® 2114 is a Linear Low Density Polyethylene material. It is available in North America for injection molding.  
Important attributes of SCLAIR® 2114 are:  
Antioxidant  
Food Contact Acceptable  
Good Aesthetics  
Good Flexibility  
Good Processability  
Typical applications include:  
Caps/Lids/Closures  
Additive/Masterbatch  
Engineering/Industrial Parts  
Food Contact Applications  
Packaging

General Information			
Additive	Antioxidant		
Features	Antioxidant		
	Food Contact Acceptable		
	Good Flexibility		
	Good Organoleptic Properties		
	Good Processability		
	High ESCR (Stress Crack Resist.)		
	High Gloss		
	Low Density		
	Low Temperature Impact Resistance		
Uses	Warp Resistant		
	Caps		
	Closures		
	Compounding		
	Food Packaging		
	Lids		
Agency Ratings	Thin-walled Parts		
	FDA 21 CFR 177.1520(c) 3.1a		
	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.925	g/cm <sup>3</sup>	ASTM D792

Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	52	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)	52		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Yield)	10.0	MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Break)	100	%	ASTM D638
Flexural Modulus	345	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -70.0	°C	ASTM D746
Vicat Softening Temperature	87.0	°C	ASTM D1525
Additional Information	Nominal Value	Unit	Test Method
Snake Flow	360	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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