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

Adioidant Features Antioxidant Features Antioxidant Food Contact Acceptable Good Flexibility Good Flexibility Good Organoleptic Properties Good Processability High ESCR (Stress Crack Resist.) High Gloss Low Density Low Density Low Temperature Impact Resistance Warp Resistant Closures Closures Compounding Food Packaging Lids Inin-walled Parts Lids Fini-walled Parts Food Molding Processing Method Nominal Value Unit Physical Qaps Startific Free Method Nominal Value	General Information					
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Physical Nominal Value Unit Test Method	Forms	Pellets				
	Processing Method	Injection Molding				
Specific Gravity 0.925 a/cm ³ ASTM D702	Physical	Nominal Value	Unit	Test Method		
Specific Gravity 0.525 g/clin ASTM D/52	Specific Gravity	0.925	g/cm³	ASTM D792		

Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	52	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistanc (100% Igepal, F50)	ce < 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 ¹ (Yield)	10.0	MPa	ASTM D638
Tensile Elongation ² (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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