

SCLAIR® 2714

High Density Polyethylene

NOVA Chemicals

Message:

SCLAIR® 2714 is a High Density Polyethylene material. It is available in North America for injection molding.

Important attributes of SCLAIR® 2714 are:

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

General Information			
Additive	Antioxidant		
Features	Antioxidant		
	Food Contact Acceptable		
	Good Processability		
	Good Stiffness		
	Good Toughness		
	High Density		
Uses	Low Temperature Impact Resistance		
Uses	Food Containers		
	Lids		
Agency Ratings			
	FDA 21 CFR 177.1520(c) 3.2a		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.951	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	51	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	62		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	23.0	MPa	ASTM D638
Tensile Elongation ² (Break)	15	%	ASTM D638
Flexural Modulus	1000	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -70.0	°C	ASTM D746

Vicat Softening Temperature	119	°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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