

# SCLAIR® 2712

High Density Polyethylene  
NOVA Chemicals

Message:

SCLAIR® 2712 is a High Density Polyethylene material. It is available in North America for injection molding.

Important attributes of SCLAIR® 2712 are:

- Antioxidant
- Food Contact Acceptable
- Good Aesthetics
- Good Stiffness
- High Gloss
- Typical applications include:
  - Caps/Lids/Closures
  - Containers
  - Food Contact Applications
  - Household Applications

General Information			
Additive	Antioxidant		
Features	Antioxidant		
	Food Contact Acceptable		
	Good Impact Resistance		
	Good Organoleptic Properties		
	Good Stiffness		
	High Density		
	High Gloss		
	Warp Resistant		
Uses	Caps		
	Closures		
	Food Containers		
	Household Goods		
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 <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	32	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 <sup>1</sup> (Yield)	23.0	MPa	ASTM D638

Tensile Elongation <sup>2</sup> (Break)	200	%	ASTM D638
Flexural Modulus	1000	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -70.0	°C	ASTM D746
Vicat Softening Temperature	120	°C	ASTM D1525
Additional Information	Nominal Value	Unit	Test Method
Snake Flow	305	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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