

# SCLAIR® 2710

High Density Polyethylene  
NOVA Chemicals

Message:

SCLAIR® 2710 is a High Density Polyethylene material. It is available in North America for injection molding.

Important attributes of SCLAIR® 2710 are:

- Antioxidant
- Food Contact Acceptable
- Good Aesthetics
- Good Processability
- High ESCR (Stress Crack Resistant)
- Typical applications include:
  - Caps/Lids/Closures
  - Consumer Goods
  - Containers
  - Food Contact Applications
  - Household Applications

General Information			
UL YellowCard	E146584-223440		
Additive	Antioxidant		
Features	Antioxidant		
	Food Contact Acceptable		
	Good Organoleptic Properties		
	Good Processability		
	High Density		
	High ESCR (Stress Crack Resist.)		
	Warp Resistant		
Uses	Caps		
	Closures		
	Containers		
	Household Goods		
	Toys		
Agency Ratings	FDA 21 CFR 177.1520(c) 3.2a		
Appearance	Natural Color		
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)	17	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)	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)	530	%	ASTM D638
Flexural Modulus	1000	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	120	°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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