

SCLAIR® 2710CC

High Density Polyethylene

NOVA Chemicals

Message:

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

Important attributes of SCLAIR® 2710CC are:

- Antioxidant
- Butene Comonomer
- Food Contact Acceptable
- Good Aesthetics
- Good Processability
- Typical applications include:
 - Caps/Lids/Closures
 - Consumer Goods
 - Containers
 - Food Contact Applications
 - Household Applications

General Information			
Additive	Antioxidant		
Features	Antioxidant		
	Butene Comonomer		
	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		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.951	g/cm³	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 D1693B
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)	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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