

SCLAIR® 2610CC

High Density Polyethylene
NOVA Chemicals

Message:

SCLAIR® 2610CC is a high density polyethylene material. This product is available in North America and is processed by injection molding.

SCLAIR® The main features of 2610CC are:

Butene Comonomer

High resistance to environmental stress fracture (ESCR)

Good processability

anti-warping

Antioxidants

Typical application areas include:

hat/cap/cork

home apps

container

Consumer goods

food contact applications

General Information			
Additive	Antioxidation		
Features	Butene comonomer		
	High ESCR (Stress Cracking Resistance)		
	Bending resistance		
	Antioxidation		
	Workability, good		
	Fast molding cycle		
	Good sensory characteristics		
	Compliance of Food Exposure		
Uses	Shield		
	Household goods		
	Container		
	Shell		
	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	0.946	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	18	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (100% Igepal, F50)	< 19.0	hr	ASTM D1693B
Hardness	Nominal Value	Unit	Test Method

Durometer Hardness (Shore D)	61		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	22.0	MPa	ASTM D638
Tensile Elongation ² (Break)	170	%	ASTM D638
Flexural Modulus	1160	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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