

# SCLAIR® 2807CC

High Density Polyethylene  
NOVA Chemicals

Message:

SCLAIR® 2807CC is a high density polyethylene material. This product is available in North America and is processed by compression molding or injection molding.

SCLAIR® The main features of 2807CC are:

Butene Comonomer

slide

Good processability

Antioxidants

accessible food

Typical application areas include:

hat/cap/cork

food contact applications

General Information			
Additive		Antioxidation slip agent	
Features		Butene comonomer Rigid, good smoothness Antioxidation Workability, good Good sensory characteristics Good coloring Low temperature impact resistance Good toughness Compliance of Food Exposure	
Uses		Shield Shell	
Agency Ratings		FDA 21 CFR 177.1520(c) 3.2a	
Processing Method		Compression molding Injection molding	
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.954	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	6.7	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)	63		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Yield)	28.0	MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Break)	1300	%	ASTM D638
Flexural Modulus	1070	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	124	°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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