

SCLAIR® 31E

Linear Low Density Polyethylene
NOVA Chemicals

Message:

SCLAIR® 31E is a Linear Low Density Polyethylene material. It is available in North America for extrusion coating.
Important attributes of SCLAIR® 31E are:
Antioxidant
Butene Comonomer
Clarity
Food Contact Acceptable
Good Processability
Typical applications include:
Coating Applications
Food Contact Applications

General Information			
Additive	Antioxidant Processing Stabilizer		
Features	Antioxidant Butene Comonomer Food Contact Acceptable Good Impact Resistance Good Processability High Clarity High Gloss Low Density		
Uses	Coating Applications		
Agency Ratings	FDA 21 CFR 177.1520(c) 3.1a		
Forms	Pellets		
Processing Method	Extrusion Coating		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.922	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	11	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	56		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	10.3	MPa	
Break	12.4	MPa	
Tensile Elongation (Break)	730	%	ASTM D638

Flexural Modulus	310	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -70.0	°C	ASTM D746
Vicat Softening Temperature	91.0	°C	ASTM D1525

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Recommended distributors for this material

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