



SCLAIR® 31E

NOVA Chemicals - Linear Low Density Polyethylene

Tuesday, November 5, 2019

General Information

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Material Status	• Commercial: Active		
Availability	• North America		
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		

ASTM & ISO Properties¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.924		ASTM D792
Melt Mass-Flow Rate (190°C/2.16 kg)	11	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	1490	psi	ASTM D638
Tensile Strength (Break)	1800	psi	ASTM D638
Tensile Elongation (Break)	730	%	ASTM D638
Flexural Modulus	45000	psi	ASTM D790
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	56		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -94.0	°F	ASTM D746
Vicat Softening Temperature	196	°F	ASTM D1525

Notes

¹ Typical properties: these are not to be construed as specifications.