



SCLAIR® 72A

NOVA Chemicals - Linear Low Density Polyethylene

Tuesday, November 5, 2019

General Information

General

Material Status	• Commercial: Active		
Availability	• North America		
Additive	• Antioxidant		
Features	• Antioxidant • Butene Comonomer • Good Flexibility	• Good Impact Resistance • Good Organoleptic Properties • Good Processability	• Low Warpage
Uses	• Caps • Closures • Compounding	• Containers • Food Packaging • Household Goods	• Lids
Agency Ratings	• FDA 21 CFR 177.1520(c) 3.1a		
Appearance	• Natural Color		
Forms	• Pellets		
Processing Method	• Compounding	• Injection Molding	

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.926		ASTM D792
Apparent (Bulk) Density	0.72	g/cm ³	ASTM D1895
Melt Mass-Flow Rate (190°C/2.16 kg)	20	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield)	1800	psi	ASTM D638
Tensile Strength ² (Break)	1310	psi	ASTM D638
Tensile Elongation ² (Break)	550	%	ASTM D638
Flexural Modulus	54400	psi	ASTM D790
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	56		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	198	°F	ASTM D1525

Processing Information

Injection	Nominal Value	Unit
Processing (Melt) Temp	338 to 419	°F

Notes

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

² 2.0 in/min