SCLAIR® 58A

High Density Polyethylene

NOVA Chemicals

Message:

SCLAIR® 58A is a High Density Polyethylene material. It is available in North America for blow molding.
Important attributes of SCLAIR® 58A are:
Food Contact Acceptable
High ESCR (Stress Crack Resistant)
High Stiffness
Impact Resistant
Processing Aid
Typical applications include:
Food Contact Applications
Automotive
Containers
Medical/Healthcare

General Information			
UL YellowCard	E146584-223441		
Additive	Processing Aid		
Features	Food Contact Acceptable Good Impact Resistance High Density High ESCR (Stress Crack Resist.) High Stiffness		
Uses	Blow Molding Applications Containers Non-specific Food Applications Pharmaceuticals		
Agency Ratings	FDA 21 CFR 177.1520(c) 3.2a		
Forms	Pellets		
Processing Method	Blow Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	0.957	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.41	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (100% Igepal, F50)	100	hr	ASTM D1693A
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore D)	67		ASTM D2240
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength [1] (Yield)	31.0	MPa	ASTM D638

Tensile Elongation			ASTM D638
Break [2]	860	%	
Break [3]	50	%	
Flexural Modulus	1210	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-70.0	°C	ASTM D746
Vicat Softening Temperature	125	°C	ASTM D1525
NOTE			
1.	500 mm/min		
2.	50 mm/min		
3.	500 mm/min		

Recommended distributors for this material

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