SCLAIR® 56B4

High Density Polyethylene

NOVA Chemicals

Message:

SCLAIR® 56B4 is a High Density Polyethylene material. It is available in North America for blow molding.
Important attributes of SCLAIR® 56B4 are:
Antioxidant
Food Contact Acceptable
Good Processability
High ESCR (Stress Crack Resistant)
Typical applications include:
Food Contact Applications
Household Applications
Industrial Applications
Medical/Healthcare

General Information			
Additive	Antioxidant		
Features	Antioxidant Food Contact Acceptable Good Processability High Density High ESCR (Stress Crack Resist.)		
Uses	Household Goods Industrial Applications 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	0.947	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.34	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (100% Igepal, F50)	> 1000	hr	ASTM D1693A
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore D)	64		ASTM D2240
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength [1] (Yield)	23.0	MPa	ASTM D638
Tensile Elongation			ASTM D638
Break [2]	680	%	

Break [3]	300	%	
Flexural Modulus	970	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -70.0	°C	ASTM D746
Vicat Softening Temperature	124	°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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