

NOVA Chemicals Sclair® 56B4 HDPE Blow Molding Resin

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE , High Density Polyethylene (HDPE), Blow Molding Grade

Material Notes:

Extra-high stress crack resistance, Good processability
Applications: Very high ESCR, Ideally suited for use in most food, pharmaceutical, households and industrial chemical applications, Little/no stacking
Additives: Processing A/O, Available in a UV-stabilized version, A high-antioxidant version (56B4) is available where extra stabilization is required
Information provided by NOVA Chemicals.

Order this product through the following link:

http://www.lookpolymers.com/polymer_NOVA-Chemicals-Sclair-56B4-HDPE-Blow-Molding-Resin.php

Physical Properties	Metric	English	Comments
Density	0.947 g/cc	0.0342 lb/in ³	ASTM D792
Environmental Stress Crack Resistance	>= 1000 hour	>= 1000 hour	F ₅₀ ; Condition A, 100% Igepal; ASTM D1693
Melt Flow	0.34 g/10 min @Load 2.16 kg, Temperature 190 °C	0.34 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	64	64	ASTM D2240
Tensile Strength, Yield	23.0 MPa	3340 psi	50 mm/min; ASTM D638
Elongation at Break	300 %	300 %	500 mm/min; ASTM D638
	675 %	675 %	50 mm/min; ASTM D638
Flexural Modulus	0.970 GPa	141 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
Vicat Softening Point	124 °C	255 °F	ASTM D1525
Brittleness Temperature	<= -70.0 °C	<= -94.0 °F	ASTM D746

Processing Properties	Metric	English	Comments
Melt Temperature	170 - 215 °C	338 - 419 °F	

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