

**NOVA Chemicals Sclair® 58A/58A-DE3 HDPE Blow Molding Resin**

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

**Material Notes:**

Features: Good ESCR, high stiffness, good impact strength. Applications: Small part blow molding, HIC containers, food, pharmaceuticals. Data provided by the manufacturer.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_NOVA-Chemicals-Sclair-58A58A-DE3-HDPE-Blow-Molding-Resin.php](http://www.lookpolymers.com/polymer_NOVA-Chemicals-Sclair-58A58A-DE3-HDPE-Blow-Molding-Resin.php)

Physical Properties	Metric	English	Comments
Density	0.957 g/cc	0.0346 lb/in <sup>3</sup>	ASTM D792
Environmental Stress Crack Resistance	100 hour	100 hour	F50, Condition A, ASTM D1693
Melt Flow	0.41 g/10 min @Load 2.16 kg, Temperature 190 °C	0.41 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	67	67	ASTM D2240
Tensile Strength, Yield	31.0 MPa	4500 psi	ASTM D638
Elongation at Break	50 %	50 %	at 500 mm/min; ASTM D638
	860 %	860 %	at 50 mm/min; ASTM D638
Flexural Modulus	1.21 GPa	175 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
Vicat Softening Point	125 °C	257 °F	ASTM D1525
Brittleness Temperature	<= -70.0 °C	<= -94.0 °F	ASTM D696

Processing Properties	Metric	English	Comments
Melt Temperature	160 - 205 °C	320 - 401 °F	

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