

**NOVA Chemicals Sclair® 58D HDPE Blow Molding Resin (discontinued \*\*)**

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

**Material Notes:**

Features: Good ESCR, high stiffness, good impact strength, slightly tougher alternative to Sclair 58A. Applications: Small part blow molding, food, pharmaceuticals, HIC containers. Data provided by the manufacturer.

Order this product through the following link:

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

Physical Properties	Metric	English	Comments
Density	0.957 g/cc	0.0346 lb/in <sup>3</sup>	ASTM D792
Environmental Stress Crack Resistance	150 hour	150 hour	F50, Condition A, ASTM D1693, 100% Igepal
Melt Flow	0.29 g/10 min @Load 2.16 kg, Temperature 190 °C	0.29 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	29.0 MPa	4210 psi	ASTM D638
Elongation at Break	960 %	960 %	at 50 mm/min; ASTM D638
Flexural Modulus	1.17 GPa	170 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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