

## NOVA Chemicals Sclair® 19C (High Gloss) HDPE Blow Molding Resin

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

### Material Notes:

19C complies with the U.S. FDA specifications for olefin polymers and may thus be used in the United States as an article or component of an article intended for use in contact with food, without temperature or food-type restrictions, subject to technical suitability. NOVA Chemicals' polyethylene resins are chemically and biologically inert. Features: Outstanding gloss, Pearlescent finish when colored, Good processability. Additives: Process stabilizer, Polymer process aid. Applications: Small part blow molding, Low-moderate ESCR uses

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_NOVA-Chemicals-Sclair-19C-High-Gloss-HDPE-Blow-Molding-Resin.php](http://www.lookpolymers.com/polymer_NOVA-Chemicals-Sclair-19C-High-Gloss-HDPE-Blow-Molding-Resin.php)

Physical Properties	Metric	English	Comments
Bulk Density	0.610 g/cc	0.0220 lb/in <sup>3</sup>	
Density	0.958 g/cc	0.0346 lb/in <sup>3</sup>	ASTM D 792
ESCR 100% Igepal®	20 hour	20 hour	Condition A, F50; ASTM D 1693
Melt Flow	0.95 g/10 min @Load 21.6 kg, Temperature 190 °C	0.95 g/10 min @Load 47.6 lb, Temperature 374 °F	ASTM D 1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	67	67	ASTM D 2240
Tensile Strength, Yield	29.0 MPa	4210 psi	500 mm/min test speed; ASTM D 638
Elongation at Break	60 %	60 %	500 mm/min test speed; ASTM D 638
Flexural Modulus	1.24 GPa	180 ksi	ASTM D 790

Thermal Properties	Metric	English	Comments
Vicat Softening Point	126 °C	259 °F	ASTM D 1525
Brittleness Temperature	<= -70.0 °C	<= -94.0 °F	ASTM D 746

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

## Contact Songhan Plastic Technology Co.,Ltd.

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