

NOVA Chemicals Sclair® 8306 UV8D, 8306G UV8D MDPE Rotational Molding Resin (discontinued **)

Category : Polymer , Thermoplastic , Polyethylene (PE) , MDPE , Medium Density Polyethylene (MDPE), Rotational Molded

Material Notes:

Features: Balanced combination of toughness, ESCR and processability. Applications: General purpose. Data provided by the manufacturer.

Order this product through the following link:

http://www.lookpolymers.com/polymer_NOVA-Chemicals-Sclair-8306-UV8D-8306G-UV8D-MDPE-Rotational-Molding-Resin-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.932 g/cc	0.0337 lb/in ³	ASTM D792
Environmental Stress Crack Resistance	>= 400 hour	>= 400 hour	F50, Condition A, ASTM D1693, 100% Igepal
Melt Flow	3.8 g/10 min @Load 2.16 kg, Temperature 190 °C	3.8 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	56	56	ASTM D2240
Tensile Strength, Yield	14.4 MPa	2090 psi	ASTM D638
Elongation at Break	900 %	900 %	ASTM D638
Flexural Modulus	0.520 GPa	75.4 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
Vicat Softening Point	108 °C	226 °F	ASTM D1525

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

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