

NOVA Chemicals Sclair® 8406 BK, 8406 GBK MDPE Rotational Molding Resin (discontinued **)

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

Material Notes:

Features: Good balance of properties between SCLAIR® 8307 and 8405. Applications: General purpose. Data provided by the manufacturer.

Order this product through the following link:

http://www.lookpolymers.com/polymer_NOVA-Chemicals-Sclair-8406-BK-8406-GBK-MDPE-Rotational-Molding-Resin-nbspdiscontinued.php

Physical Properties	Metric	English	Comments
Density	0.943 g/cc	0.0341 lb/in ³	ASTM D792
Environmental Stress Crack Resistance	300 hour	300 hour	F50, Condition A, ASTM D1693, 100% Igepal
Melt Flow	3.7 g/10 min @Load 2.16 kg, Temperature 190 °C	3.7 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	57	57	ASTM D2240
Tensile Strength, Yield	18.8 MPa	2730 psi	ASTM D638
Elongation at Break	>= 1000 %	>= 1000 %	ASTM D638
Flexural Modulus	0.620 GPa	89.9 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
Vicat Softening Point	112 °C	234 °F	ASTM D1525

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

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