

NOVA Chemicals Sclair® 8504 BK, 8504 GBK MDPE Rotational Molding Resin (discontinued **)

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

Material Notes:

Features: Low melt index, excellent ESCR, high toughness at low temperatures. Applications: Large chemical storage tanks. Data provided by the manufacturer.

Order this product through the following link:

http://www.lookpolymers.com/polymer_NOVA-Chemicals-Sclair-8504-BK-8504-GBK-MDPE-Rotational-Molding-Resin-nbspdiscontinued.php

Physical Properties	Metric	English	Comments
Density	0.947 g/cc	0.0342 lb/in ³	ASTM D792
Environmental Stress Crack Resistance	>= 1000 hour	>= 1000 hour	F50, Condition A, ASTM D1693, 100% Igepal
Melt Flow	1.7 g/10 min @Load 2.16 kg, Temperature 190 °C	1.7 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	59	59	ASTM D2240
Tensile Strength, Yield	18.0 MPa	2610 psi	ASTM D638
Elongation at Break	>= 1000 %	>= 1000 %	ASTM D638
Flexural Modulus	0.650 GPa	94.3 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
Vicat Softening Point	118 °C	244 °F	ASTM D1525

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

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