

NOVA Chemicals Sclair® 2908, 2908-UV8A HDPE Injection Molding Resin

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE , High Density Polyethylene (HDPE), Injection Molded

Material Notes:

Features: High stiffness, maximum impact strength and toughness. Applications: Tote boxes, beverage crates. Data provided by the manufacturer.

Order this product through the following link:

http://www.lookpolymers.com/polymer_NOVA-Chemicals-Sclair-2908-2908-UV8A-HDPE-Injection-Molding-Resin.php

| Physical Properties | Metric | English | Comments |
|---------------------------------------|--|--|---|
| Density | 0.961 g/cc | 0.0347 lb/in ³ | ASTM D792 |
| Environmental Stress Crack Resistance | <= 10 hour | <= 10 hour | F50, Condition A, ASTM D1693, 100% Igepal |
| Melt Flow | 7.0 g/10 min @Load 2.16 kg, Temperature 190 °C | 7.0 g/10 min @Load 4.76 lb, Temperature 374 °F | ASTM D1238 |

| Mechanical Properties | Metric | English | Comments |
|-------------------------|----------|----------|------------|
| Hardness, Shore D | 65 | 65 | ASTM D2240 |
| Tensile Strength, Yield | 29.0 MPa | 4210 psi | ASTM D638 |
| Elongation at Break | 1200 % | 1200 % | ASTM D638 |
| Flexural Modulus | 1.28 GPa | 186 ksi | ASTM D790 |

| Thermal Properties | Metric | English | Comments |
|-----------------------|--------|---------|------------|
| Vicat Softening Point | 129 °C | 264 °F | ASTM D1525 |

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

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