

## NOVA Chemicals Sclair® 2710 HDPE Injection Molding Resin

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

### Material Notes:

Features: Good ESCR, good processability.Applications: Housewares, containers, toys.Data provided by the manufacturer.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_NOVA-Chemicals-Sclair-2710-HDPE-Injection-Molding-Resin.php](http://www.lookpolymers.com/polymer_NOVA-Chemicals-Sclair-2710-HDPE-Injection-Molding-Resin.php)

| Physical Properties                   | Metric                                              | English                                             | Comments                                  |
|---------------------------------------|-----------------------------------------------------|-----------------------------------------------------|-------------------------------------------|
| Density                               | 0.951 g/cc                                          | 0.0344 lb/in³                                       | ASTM D792                                 |
| Environmental Stress Crack Resistance | <= 10 hour                                          | <= 10 hour                                          | F50, Condition A, ASTM D1693, 100% Igepal |
| Melt Flow                             | 17 g/10 min<br>@Load 2.16 kg,<br>Temperature 190 °C | 17 g/10 min<br>@Load 4.76 lb,<br>Temperature 374 °F | ASTM D1238                                |

| Mechanical Properties   | Metric   | English  | Comments   |
|-------------------------|----------|----------|------------|
| Hardness, Shore D       | 62       | 62       | ASTM D2240 |
| Tensile Strength, Yield | 23.0 MPa | 3340 psi | ASTM D638  |
| Elongation at Break     | 530 %    | 530 %    | ASTM D638  |
| Flexural Modulus        | 1.00 GPa | 145 ksi  | ASTM D790  |

| Thermal Properties    | Metric | English | Comments   |
|-----------------------|--------|---------|------------|
| Vicat Softening Point | 120 °C | 248 °F  | ASTM D1525 |

| Processing Properties | Metric       | English      | Comments |
|-----------------------|--------------|--------------|----------|
| Melt Temperature      | 170 - 230 °C | 338 - 446 °F |          |

## Contact Songhan Plastic Technology Co.,Ltd.

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