

## Technical Data Sheet

### Schulink XL 350-S01 NATURAL CSO



Polyethylene, Crosslinked

#### Product Description

Schulink XL 350-S01 NATURAL CSO is a Polyethylene, Crosslinked material and is typically used in Rotational Molding applications. Features include: UV Stabilized.

|                   |                                                                                                        |
|-------------------|--------------------------------------------------------------------------------------------------------|
| Processing Method | Rotomolding                                                                                            |
| Attribute         | UV Stabilized                                                                                          |
| Forms             | Pellets; Powder                                                                                        |
| Appearance        | Black; Natural Color                                                                                   |
| Application       | Agricultural; Automotive Under the Hood; High Temperature Applications; Lawn & Garden Equipment; Tanks |

| Typical Properties                                                            | Nominal Value | Units             | Test Method |
|-------------------------------------------------------------------------------|---------------|-------------------|-------------|
| <b>Physical</b>                                                               |               |                   |             |
| Density - Specific Gravity                                                    | 0.942         | g/cm <sup>3</sup> | ASTM D792   |
| <b>Mechanical</b>                                                             |               |                   |             |
| Tensile Strength at Yield, (51 mm/min, Rotational Molded)                     | 19.3          | MPa               | ASTM D638   |
| Environmental Stress Crack Resistance, (Compression Molded, F50, 100% Igepal) | >1000         | hr                | ASTM D1693  |
| Flexural Modulus, (Rotational Molded, 1% Secant)                              | 703           | MPa               | ASTM D790   |
| Tensile Elongation at Break, (51 mm/min, Rotational Molded)                   | 350           | %                 | ASTM D638   |
| <b>Impact</b>                                                                 |               |                   |             |
| Impact Strength                                                               |               |                   |             |
| (-40 °C, 3.18 mm, Rotational Molded)                                          | 83            | J                 | ARM         |
| (-40 °C, 6.35 mm, Rotational Molded)                                          | >251          | J                 | ARM         |
| <b>Thermal</b>                                                                |               |                   |             |
| Deflection Temperature Under Load Unannealed (264 psi), (Rotational Molded)   | 36.4          | °C                | ASTM D648   |
| Deflection Temperature Under Load Unannealed (66 psi), (Rotational Molded)    | 63.0          | °C                | ASTM D648   |
| <b>UL Information</b>                                                         |               |                   |             |
| Flame Rating                                                                  | HB            |                   | UL 94       |