

Technical Data Sheet

Schulink XL 351-1702G WHITE UNBLENDED



Polyethylene, Crosslinked

Product Description

Schulink XL 351-1702G WHITE UNBLENDED is a Polyethylene, Crosslinked material and is typically used in Rotational Molding applications. Features include: UV Stabilized.

Processing Method Rotomolding
Attribute UV Stabilized

Forms Powder

Appearance Colors Available

Application Agricultural; Automotive Under the Hood; High Temperature Applications; Lawn &

Garden Equipment; Tanks

| | Nominal | | |
|---|---------|-------|-------------|
| Typical Properties | Value | Units | Test Method |
| Physical | | | |
| Density - Specific Gravity | 0.942 | g/cm³ | ASTM D792 |
| Mechanical | | | |
| Tensile Strength at Yield, (51 mm/min, Rotational Molded) | 19.0 | MPa | ASTM D638 |
| Environmental Stress Crack Resistance | | | |
| (Compression Molded, F50, 100% Igepal) | 1000 | hr | ASTM D1693 |
| (Compression Molded, F50, 10% Igepal) | 1000 | hr | ASTM D1693 |
| Flexural Modulus, (Rotational Molded, 1% Secant) | 689 | MPa | ASTM D790 |
| Tensile Elongation at Break, (51 mm/min, Rotational Molded) | 500 | % | ASTM D638 |
| Impact | | | |
| Impact Strength | | | |
| (-40 °C, 3.18 mm, Rotational Molded) | 81 | J | ARM |
| (-40 °C, 6.35 mm, Rotational Molded) | >251 | J | ARM |
| Thermal | | | |
| Deflection Temperature Under Load Unannealed (264 psi), (Rotational Molded) | 35.1 | °C | ASTM D648 |
| Deflection Temperature Under Load Unannealed (66 psi), (Rotational Molded) | 62.0 | °C | ASTM D648 |