



Product Data Sheet

Superlink110CA1®

Rotomolding Crosslinkable Polyethylene

Superlink tm110CA1 rotomolding crosslinkable resins were developed by Ingenia for the manufacture of parts to offer a unique combination of high stiffness, low temperature impact properties and excellent ESCR performance. Superlink tm110CA1 is specifically formulated for extended outdoor service, better UV resistance than conventional Superlink 110CA.

NOMINAL PROPERTIES:

| <u>Property</u> | <u>Test Method</u> | <u>Unit</u> | <u>Value</u> |
|---------------------------|--------------------|-------------|------------------------|
| Density | D1505 | g/cc | 0.942 |
| Tensile strength @yield | D 638 | psi (mPa) | 2,900 (20.0) |
| Tensile strength @break | D 638 | psi (mPa) | 3,500 (24) |
| Elongation @break | D 638 | % | 800 |
| Flexural Modulus | D790 | psi (mPa) | 110,000(760) |
| ESCR condition A | D 1693 | | |
| 100 % Igepal | | hr | F ₀ > 1,000 |
| 10% Igepal | | hr | F ₀ > 1,000 |
| Impact strength, (-40 °C) | ARM | | |
| 0.125 ins (3.2 mm) | | ft lb (J) | >70 (93) |
| 0.250 ins (6.4 mm) | | ft lb (J) | >170 (226) |

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