



Product Data Sheet

Superlink tm 110

Rotomolding crosslinkable Polyethylene

Superlink tm110 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 tm110 is UV stabilized for extended outdoor service and is available in natural, black and customer-specified colors.

Superlink tm110 in various colors will retain at least 80% of each nominal property given below for the natural compound.

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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