

Ultramid® B29 HM 01

Polyamide 6

Product Description

Ultramid B29 HM 01 is a medium viscosity, heat stabilized, PA6 universal wire jacketing resin offering excellent performance through the range of THHN, THWN, and TFFN constructions. It possesses a balance of performance properties including flexibility, toughness and abrasion resistance combined with excellent chemical resistance to gasoline, oil and other hydrocarbons.

Applications

It is a preferred resin for wire conductor jacketing, including shipboard cable, and non-metallic-sheathed cable primary jacketing.

| PHYSICAL | ISO Test Method | Property Value | |
|--|-----------------|----------------|-------------|
| Density, g/cm | 1183 | 1.13 | |
| Moisture, % | 62 | | |
| (50% RH) | | 2.7 | |
| (Saturation) | | 9.5 | |
| MECHANICAL | ISO Test Method | Dry | Conditioned |
| Tensile Modulus, MPa | 527 | | |
| 23C | | 2,500 | - |
| Tensile stress at yield, MPa | 527 | | |
| 23C | | 73 | - |
| Tensile strain at yield, % | 527 | | |
| 23C | | 4.25 | - |
| Flexural Modulus, MPa | 178 | | |
| 23C | | 2,230 | - |
| IMPACT | ISO Test Method | Dry | Conditioned |
| Izod Notched Impact, kJ/m ² | 180 | | |
| 23C | | 40 | - |
| -40C | | 26 | - |
| THERMAL | ISO Test Method | Dry | Conditioned |
| Melting Point, C | 3146 | 220 | - |

Note

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