

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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