

Ultramid® B3L BK00464

Polyamide 6

Product Description

Ultramid B3L BK00464 is an impact-modified, pigmented black, easy flowing injection molding PA6 grade for fast processing.

Applications

Typical applications include impact-resistant articles such as housings, fittings, small parts and anchors.

PHYSICAL	ISO Test Method	Property Value	
Density, g/cm	1183	1.1	
Moisture, %	62		
(50% RH)		2.5	
(Saturation)		9	
MECHANICAL	ISO Test Method	Dry	Conditioned
Tensile Modulus, MPa	527		
23C		2,750	-
Tensile stress at yield, MPa	527		
23C		63	-
Tensile strain at yield, %	527		
23C		4	-
Flexural Modulus, MPa	178		
23C		2,240	-
IMPACT	ISO Test Method	Dry	Conditioned
Izod Notched Impact, kJ/m ²	180		
23C		6.2	-
-40C		4.6	-
Charpy Notched, kJ/m ²	179		
23C		6.8	-
THERMAL	ISO Test Method	Dry	Conditioned
Melting Point, C	3146	220	-
HDT A, C	75	55	-
ELECTRICAL	ISO Test Method	Dry	Conditioned
Comparative Tracking Index	IEC 60112	600	600
Volume Resistivity	IEC 60093	1E13	1E10
Dielectric Constant (100 Hz)	IEC 60250	4	-
Dielectric Constant (1 MHz)	IEC 60250	3.5	6.4
Dissipation Factor (100 Hz)	IEC 60250	100	-
Dissipation Factor (1 MHz)	IEC 60250	240	2,400

