

### Product Description

Ultramid B3S HP is a easy flowing, finely crystalline, injection molding PA6 for fast processing.

### Applications

Typical applications include thiwalled technical parts (eg housing, fittings, grips, small parts, anchors and fixing clamps)

PHYSICAL	ISO Test Method	Property Value	
Density, g/cm <sup>3</sup>	1183	1.13	
Moisture, %	62		
(50% RH)		3	
(Saturation)		9.5	
RHEOLOGICAL	ISO Test Method	Dry	Conditioned
Melt Volume Rate (275 °C/5 Kg), cc/10min.	1133	175	-
MECHANICAL	ISO Test Method	Dry	Conditioned
Tensile Modulus, MPa	527		
23°C		3,400	1,200
Tensile stress at yield, MPa	527		
23°C		90	45
Tensile strain at yield, %	527		
23°C		4	20
Nominal strain at break, %	527		
23°C		10	>50
Flexural Modulus, MPa	178		
23°C		3,000	-
Ball Indentation, MPa	2039-1	160	-
IMPACT	ISO Test Method	Dry	Conditioned
Izod Notched Impact, kJ/m <sup>2</sup>	180		
-30°C		3	-
23°C		4	N
Charpy Notched, kJ/m <sup>2</sup>	179		
-30°C		3	-
23°C		4	50
Charpy Unnotched, kJ/m <sup>2</sup>	179		
-30°C		200	-
23°C		250	N
THERMAL	ISO Test Method	Dry	Conditioned
Melting Point, °C	3146	220	-
HDT A, °C	75	65	-
HDT B, °C	75	180	-
ELECTRICAL	ISO Test Method	Dry	Conditioned
Comparative Tracking Index	IEC 60112	600	-
Volume Resistivity (Ohm)	IEC 60093	1E13	1E10
Dielectric Constant (1 MHz)	IEC 60250	3.3	7
Dissipation Factor (1 MHz)	IEC 60250	300	3,000

### Note

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