

# ATHLONE EXTRUSIONS P.L.C.

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## PRODUCT DATA SHEET - "ATHPOL" 401XM.

**Product:** "Athpol" B401XM - co-extruded sheet structure comprising of a extremely low gloss capping on a super high impact base.

**Application:** Automotive, luggage/briefcases, machine guards etc. where excellent impact strength especially at low temperatures, combined with a extremely low gloss finish is required.

The following information represents typical property values that are based on information given by polymer raw material suppliers.

Property	Test Method	Units.	Value
<b>Mechanical</b>			
Tensile Strength at Yield	ISO 527	MPa	40
Tensile Elongation at Break	ISO 527	%	>40
Tensile Modulus.	ISO 527	MPa	2100
Flexural Strength.	ISO 178	MPa	60
Izod Impact Strength(notched) 23c	ISO 180A	KJ/M2	38
Charpy Impact Strength(notched) 23c	ISO 180	KJ/M2	36
Falling Dart Impact Strength (1)	ISO 6603	Joules	>80
Ball Indentation Hardness H 358/30	ISO 2039	Mpa	90
<b>Thermal.</b>			
Heat Deflection Temperature. (1.8MPa)	ISO 75	c	-
Vicat Softening Temperature (5kg - 50c/h)	ISO 306	c	96
<b>Other</b>			
Density (2)	ISO 1183		1,05
Optical			Low gloss finish
Flammability at 1.6mm thickness.	UL94	class	94HB

- (1) 4.0mm sheet - impact on side A.
- (2) Density value for natural unpigmented sheet - this value will change , the magnitude of such depending on the pigment type and loading.

*Note: We reserve the right to make alterations without further notice. Information in this data sheet is intended as a guide only.*

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