

ATHLONE EXTRUSIONS P.L.C.

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PRODUCT DATA SHEET - "ATHPOL" AB301UV.

Product: "Athpol"AB301UV - is a co-extruded product comprising of a PMMA capping layer on a high-impact ABS substrate.

Application: Exterior application where excellent resistance to weathering, combined with high impact strength and a high gloss finish, are required.

Sheet Thickness: from 2.0 to 9.0mm.

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

Property	Test Method	Units.	Value PMMA	Value ABS
Mechanical				
Tensile Stress at Yield	ISO 527	MPa	48	42
Tensile Elongation at Break	ISO 527	%	35	>40
Tensile Modulus.	ISO 527	MPa	2100	2200
Flexural Strength	ISO 178	MPa	83	68
Izod Impact Strength(notched) 23c	ISO 180A	KJ/M2	32	210
Charpy Impact Strength(notched) 23c	ISO 180	KJ/M2		16,5
Falling Dart Impact Strength (1)	ISO 6603	Joules	> 50	75
Ball Indentation Hardness H 358/30	ISO 2039	Mpa	_	100
Thermal.				
Heat Deflection Temperature. (1.8MPa)	ISO 75	c	_	102
Vicat Softening Temperature VST 120	ISO 306	c	97	102
Other				
Density (2)	ISO 1183		1,17	1,05
Optical			high	_
Flammability at 1.6mm thickness	UL94	class	94HB	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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