

# ATHLONE EXTRUSIONS P.L.C.

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## PRODUCT DATA SHEET - "ATHPOL" ASAB301.

**Product:** "Athpol" ASAB301 - is a co-extruded product comprising of an ASA capping layer on a high-impact ABS substrate.

**Application:** Exterior application where high impact strength combined with good resistance to weathering are required.

**Sheet Thickness:** from 2.0 to 8.0mm.

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

Property	Test Method	Units.	Value ASA	Value ABS
<b>Mechanical</b>				
Tensile Stress at Yield	ISO 527	MPa	42	40
Tensile Elongation at Break	ISO 527	%	25	> 40
Tensile Modulus.	ISO 527	MPa	2000	1900
Flexural Strength	ISO 178	MPa	60	58
Izod Impact Strength(notched) 23c	ISO 180A	KJ/M2	30	36
Charpy Impact Strength(notched) 23c	ISO 180	KJ/M2	30	38
Falling Dart Impact Strength (1)	ISO 6603	Joules	> 70	
Ball Indentation Hardness H 358/30	ISO 2039	Mpa	65	90
<b>Thermal.</b>				
Heat Deflection Temperature. (1.8MPa)	ISO 75	c	95	97
Vicat Softening Temperature VST 120	ISO 306	c	90	97
<b>Other</b>				
Density (2)	ISO 1183		1,07	1,05
Flammability at 1.6 mm thickness	UL94		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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