

ATHLONE EXTRUSIONS P.L.C.

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PRODUCT DATA SHEET - "ATHPOL" B400SM

Product: "Athpol B400SM" - extruded high impact ABS sheet.

Application: Automotive, luggage/briefcases, machine guards etc. where excellent impact strength especially at low temperatures, 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 abs
Mechanical			
Tensile Strength at Yield	ISO 527	MPa	36
Tensile Elongation at Break	ISO 527	%	>40
Tensile Modulus.	ISO 527	MPa	2100
Flexural Strength.	ISO 178	MPa	55
Izod Impact Strength(notched) 23c	ISO 180A	KJ/M2	36 (40)
Charpy Impact Strength(notched) 23c	ISO 180	KJ/M2	36
Falling Dart Impact Strength (1)	ISO 6603	Joules	90 (100)
Ball Indentation Hardness H 358/30	ISO 2039	Mpa	90
Thermal.			
Heat Deflection Temperature. (1.8MPa)	ISO 75	c	90
Vicat Softening Temperature (5kg - 50c/h)	ISO 306	c	92
Other			
Density (2)	ISO 1183		1,05
Optical			Std Matt (Semi-gloss)
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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