

# ATHLONE

EXTRUSIONS

Issue A, 03-05

<b>P90UV - UV Resistant High Impact Polystyrene</b>			
Standard Limitations	Unit	From	To
Sheet Thickness	mm	0.5	6.0
Sheet Width	mm	350	1400
Reel Thickness	mm	0.5	2.5
Reel Width	mm	350	900
Reel Diameter	mm	300	1000
Reel Weight	kg	50	300

Notes:

1) 0.5mm - 0.95mm sheet, maximum width 800mm	5) Reels > 2mm, MOQ 5 tonnes
2) > 6.0mm - 8.0mm, MOQ 3 tonnes	
3) > 1400mm - 2000mm, MOQ 20 tonnes	
4) Some limitations on colour due to UV stability - refer to your local AEL sales office	
Range of embossed surfaces available on thickness greater than 1.0 mm sheet only.	
For requirements outside these limits please contact your local AEL sales office.	

<b>Product Data Information</b>			
<b>Applications</b>	Automotive accessories, caravan components, ski-boxes, signs, horticultural applications etc. UV/weathering resistance combined with excellent impact strength and a matt finish.		
Property	Test Method	Units	Value
Tensile Strength at Yield	ISO 527	MPa	23
Flexural Strength	ISO 178	MPa	35
Izod Impact Strength (notched) 23°C	ISO 180	J/m	120
Heat Deflection Temperature (1.8 MPa)	ISO 75	°C	75
Vicat Softening Point (5kg - 50°C/h)	ISO 306	°C	84
Density (1)	ISO 1183		1.02
Flammability Rating @ 1.5 mm	UL94	Class	HB
Optical	Matt		
<p>The above information represents typical property values that are based on information supplied by polymer raw material suppliers.</p> <p>(1) Density value for natural unpigmented sheet - this value can change, the magnitude of such depending on the pigment type and loading.</p> <p><b>Note:</b>  <b>We reserve the right to make alterations without further notice. Information in this data sheet is intended as a guide only. No liability is accepted for loss or damage arising from use or reliance on this information, or if such infringes any patent.</b></p>			

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