

DATA SHEET

TECHNICAL DATA SHEET AB402ML

HIGH GLOSS METALLIC MULTI-LAYERED PMMA-ABS SHEET

GENERAL			
Property	Method	Unit	SWP ABS
Density ¹	ISO 1183	g / cm ³	1.10
MECHANICAL			
Property	Method	Unit	SWP PMMA/ABS
Tensile Strength at Yield	ISO 527-2 / 50	MPa	41
Tensile E Modulus	ISO 527-2	MPa	2050
Elongation at Break	ISO 527-2	%	6.5
Charpy Impact notched (23°C)	ISO 179 /1eA	kJ / m ²	12
Charpy Impact unnotched (23°C)	ISO 179 /1eU	kJ / m ²	16
Charpy Impact notched (-40°C)	ISO 179 /1eA	kJ / m ²	8
OPTICAL			
Property	Method	Unit	SWP PMMA/ABS
Gloss / matt Level @ 60° ²	ISO 2813	Units	>86
THERMAL			
Property	Method	Unit	SWP PMMA/ABS
Heat Deflection Temperature	ISO 75-2 / A	°C	101
Vicat Softening Point	ISO 306 / B50	°C	99
OTHERS			
Property	Method	Unit	SWP PMMA/ABS
Flammability	UL94	Rating	HB
Thermoforming temperature range (recommended)			160 – 180C
Mould Shrinkage	ISO 294-4	%	0.5 – 0.8

Remark: These technical data of our products are typical ones. The actually measured values are subject to production variations.

1. Density for black metallic sheet is 1.11
2. Gloss values are attained from smooth finish thermoformed parts