

# DATA SHEET

## TECHNICAL DATA SHEET B401SM

### SEMI-MATT ABS - CO-EXTRUDED SEMI-MATT ABS FINISH ONTO A HIGH IMPACT ABS BASE

GENERAL			
Property	Method	Unit	SWP ABS
Density 1	ISO 1183	g / cm <sup>3</sup>	1.06
MECHANICAL			
Property	Method	Unit	SWP ABS
Tensile Strength at yield	ISO 527-2 / 50	MPa	33
Tensile E Modulus	ISO 527-2	kJ / m <sup>2</sup>	1880
Elongation at Break	ISO 527-2	%	20
Charpy Impact notched	ISO 179 / 1eA	kJ / m <sup>2</sup>	13
Charpy Impact unnotched	ISO 179 / 1eU	kJ / m <sup>2</sup>	33
OPTICAL			
Property	Method	Unit	SWP ABS
Gloss / Matt level at 60° 2	ISO 2813	Units	20 - 45
THERMAL			
Property	Method	Unit	SWP ABS
Heat Deflection Temperature	ISO 75-2 / A	°C	101
Vicat Softening Point	ISO 306 / B50	°C	99
OTHERS			
Property	Method	Unit	SWP ABS
Flammability	UL94	Rating	HB
Thermoforming temperature range (recommended)		°C	145 - 180
Mould Shrinkage	ISO 294-4	%	0.5 - 0.8

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

1. Density for black sheet is 1.07
2. Gloss values are attained from smooth finish thermoformed parts