

DATA SHEET

TECHNICAL DATA SHEET

STANDARD MATT-FOIL HIPS – HIGH GLOSS GENERAL PURPOSE POLYSTYRENE (GPPS) COEXTRUDED ONTO HIGH IMPACT POLYSTYRENE (HIPS)

GENERAL			
Property	Method	Unit	SWP HIPS
Density	ISO 1183	g / cm ³	1.06
MECHANICAL			
Property	Method	Unit	SWP HIPS
Tensile Strength at yield	ISO 527-2 / 50	MPa	22
Tensile E Modulus	ISO 527-2	kJ / m ²	1750
Elongation at Break	ISO 527-2	%	4
Charpy Impact notched	ISO 179 / 1eA	kJ / m ²	10
Charpy Impact unnotched	ISO 179 / 1eU	kJ / m ²	13
OPTICAL			
Property	Method	Unit	SWP HIPS
Gloss / Matt level at 60° ¹	ISO 2813	Units	>90
THERMAL			
Property	Method	Unit	SWP HIPS
Heat Deflection Temperature	ISO 75-2 / A	°C	87
Vicat Softening Point	ISO 306 / B50	°C	90
OTHERS			
Property	Method	Unit	SWP HIPS
Flammability	UL94	Rating	HB
Mould Shrinkage	ISO 294-4	%	0.4 – 0.7

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

1. Gloss values are attained from smooth finish thermoformed parts