

SICOFFSET 227 1173

WHITE AND TRANSPARENT BOTH SIDES PRINTABLE FILM FOR BANKING AND CONTACTLESS CARDS			
Thickness (µm)	100 - 410 µm		
Thickness tolerances	up to 170 µm: +/-10% on 100% of readings >170 µm: +/-5% on 100% of readings		
Surface finish	6060		
Properties	Typical value	Unit	Test Method
Vicat-softening point	81 +/-2	°C	UNI EN ISO 306 VST/A50 Stacked samples
	77 +/-2	°C	UNI EN ISO 306 VST/B50 Laminated samples
Surface tension	Best printing side ≥ 40 Reverse side ≥ 36	mN/m (dynes/cm)	ISO 8296
Roughness	Ra 1,4 µm - 2,2 µm (cut off 2,5)	µm	Bilcare
Tensile strength at break	42	N/mm ²	UNI EN ISO 527-3/2/50
Tensile strength at yield	44	N/mm ²	UNI EN ISO 527-3/2/50
Elongation at break	120	%	UNI EN ISO 527-3/2/50
Elongation at yield	3,50	%	UNI EN ISO 527-3/2/50
Young's modulus	2150	N/mm ²	UNI EN ISO 527-3/2/50
Tensile impact strength	≥550	kJ/m ²	ISO 8256 Sample non laminated

<p>Shelf life: 2 years in the original packaging</p> <p>Storage conditions: Temperature between 15 C and 30 C and relative humidity between 40% and 60% - NO direct sunlight exposure.</p>
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29-Jun-11 Rev.2

SICOSMART T18_T0

WHITE PET-G CORE, BOTH SIDES PRINTABLE, FOR CARDS			
Thickness (µm)	100 - 400 µm		
Thickness tolerances	100 - 149 µm: ±10 % on 100% of readings 150 - 179 µm: ±6 % on 100% of readings 180 - 299 µm: ±4 % on 90% of readings 300 - 400 µm: ±4 % on 100% of readings		
Surface finish	6050		
Color	1243 – white		
Properties	Typical value	Unit	Test Method
Vicat-softening point	78 ±2	°C	UNI EN ISO 306 VST/A50 Stacked samples
	N/A	°C	UNI EN ISO 306 VST/B50 Laminated samples
Surface tension	Best printing side 38 Reverse side 36	mN/m (dynes/cm)	ISO 8296
Roughness	Front Ra 0,7 µm - 1,4 µm (cut off 2,5) Back Ra 0,7 µm - 2,2 µm (cut off 2,5)	µm	Bilcare
Tensile strength at break	40	N/mm ²	UNI EN ISO 527-3/2/50
Tensile strength at yield	38	N/mm ²	UNI EN ISO 527-3/2/50
Elongation at break	150	%	UNI EN ISO 527-3/2/50
Elongation at yield	3	%	UNI EN ISO 527-3/2/50
Young's modulus	1700	N/mm ²	UNI EN ISO 527-3/2/50
Impact under strength	N/A	kJ/m ²	ISO 8256 Sample not laminated

Shelf life:
1 years in the original packaging.

Storage conditions:
Temperature between 15°C and 30°C and relative humidity between 40% and 60% - NO direct sunlight exposure.

07/09/2020