

10/04/2018 Rev.03

TECHNICAL DATA SHEET

Description: Flexible barrier Film

Product: SEAL PLUS BEIGE 45 μ

This TDS is valid from the production date: 16/04/2018

TEST		U.M.	METHOD	TYPICAL VALUE (^)
Thickness		μ	ISO 4593	45 \pm 10%
Weight		gr/sqm	Internal	43 \pm 10%
Tensile strenght at break	MD	MPa	ASTM D882	40 \pm 15%
	TD	Mpa	ASTM D882	40 \pm 15%
Elongation at break	MD	%	ASTM D882	750 \pm 15%
	TD	%	ASTM D882	700 \pm 15%
Dart Drop Test		(wheight) g	ASTM D1709 method A	700 \pm 15%
Puncture Properties		N	ASTM F 1306	7 \pm 15%
		mm		10 \pm 15%
Tear Strength	MD	N	Elmendorf Method ISO 6383-2 (Parte 2)	4 \pm 30%
	TD	N		20 \pm 30%
Oxygen Transmission Rate		Cm ³ /m ² /d * (@23°C, 0% RH) 100% O ₂ (1,0 bar)	ASTM D3985-02	5 \pm 15%
		Cm ³ /m ² /d * (@23°C, 0% RH) 20% O ₂ (0,2 bar)	DIN 53380	1 \pm 15%
		Cm ³ /m ² /d * (@23°C, 50% RH) 100% O ₂ (1,0 bar)	ASTM D3985-02	3,5 \pm 15%
		Cm ³ /m ² /d * (@23°C, 50% RH) 20% O ₂ (0,2 bar)	DIN 53380	0,7 \pm 15%
UV Resistance		No UV Protection		

(^) All mechanical test done @23°C, 50%RH.

The obtained values don't derive from a single point but from the averaging obtained by all the batch.

Storage: Temperature: -10°C + 30°C (time extended storage at high temperature, above 35°C, may cause blocking problems, compromising the unwinding).
Avoid direct exposition to sunrays (time extended exposition to UV may cause a loss in mechanical properties).

Quality Manager
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