

- Description:** Flexible barrier Film.  
9 Layer Coextruded Film.
- Product:** **SEAL PLUS BEIGE & BLACK 150 $\mu$**
- Note:** **Double Welding** (from production date: 12/11/2018)

TEST		U.M.	METHOD	TYPICAL VALUE (^)
Thickness		$\mu$	ISO 4593	150 $\pm$ 10%
Weight		gr/sqm	Internal	146 $\pm$ 10%
Tensile strenght at break	<b>MD</b>	MPa	ASTM D882	45 $\pm$ 10%
	<b>TD</b>	Mpa	ASTM D882	45 $\pm$ 10%
Elongation at break	<b>MD</b>	%	ASTM D882	1100 $\pm$ 15%
	<b>TD</b>	%	ASTM D882	1100 $\pm$ 15%
Dart Drop Test		(wheight) g	ASTM D1709 method B	1500
Oxygen Transmission Rate		Cm <sup>3</sup> /m <sup>2</sup> /d * 1,0 bar (@23°C, 0% RH)	ASTM D3985-02	10 $\pm$ 15%
		Cm <sup>3</sup> /m <sup>2</sup> /d * 0,21 bar (@23°C, 0% RH)	DIN 53380	2,1 $\pm$ 15%
Puncture Properties		N	ASTM F 1306	23 $\pm$ 15%
		mm		15 $\pm$ 15%
Tear Strength	<b>MD</b>	N	Elmendorf Method ISO 6383-2 (Parte 2)	50 $\pm$ 30%
	<b>TD</b>	N		50 $\pm$ 30%
UV Resistance		approximately 160 Kly 12 Months life depends on the area of exposure **		

\*\* Guaranteed till to a decay of 50% of the Mechanical Properties and Oxygen Transmission Rate.

(^) 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**

Orazio Polello

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