

	Technical data sheet Pouches and tubes « e-line »	Ref : FT168	Version V10
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DESCRIPTION

Pouches and tubes are made of one side uncoated paper and one side PET/PP sealed together. The paper is printed with ETO and steam indicators.

APPLICATIONS

Pouches and tubes are suitable for packaging of medical devices.
They are suitable for sterilisation by ETO gas or steam.(max 134° C).

TECHNICAL DESCRIPTION

1- Paper

Main properties	Method	Results
Base weight/ <i>Masse surfacique</i>	ISO 536	60 g/m ² (57-63)
Air permeance/ <i>Perméance à l'air</i> (Gurley)	ISO 5636-3	8.0 µm/(Pa.s)- (5.1-10.8 µm/Pas)
Tensile strength/ <i>Résistance à la traction MD</i>	EN ISO 1924-2	6.1 kN/m (mini 4.4kN/m)
Tensile strength / <i>Résistance à la traction CD</i>	EN ISO 1924-2	3.3 kN/m (mini 2.2 kN/m)
Wet tensile strength/ <i>Résistance à la traction MD (humide)</i>	ISO 3781	2.1 kN/m (mini 0.9kN/m)
Wet tensile strength / <i>Résistance à la traction CD (humide)</i>	ISO 3781	1.3 kN/m (mini 0.45 kN/m)
Burst strength/ <i>Résistance à l'éclatement (sec)</i>	ISO 2758	320 kPa (mini 230kPa)
Wet burst strength/ <i>Résistance à l'éclatement (humide)</i>	ISO 3689	140 kPa (mini 70kPa)
Tear strength/ <i>Résistance au déchirement MD</i>	EN 21974	600 mN (mini 550mN)
Tear strength/ <i>Résistance au déchirement CD</i>	EN 21974	650 mN (mini 550mN)
Water repellency/ <i>Etanchéité à l'eau</i>	EN 868-3 (App A)	35 s (mini 20)
Cobb test/ <i>Cobb</i>	EN 20535	15 g/m ² (maxi 20g/m ²)
pH	ISO 6588	7 (5-8)
Chloride content/ <i>Teneur en chlorure</i>	ISO 9197-1	< 0.05%
Sulfate content/ <i>Teneur en sulfate</i>	ISO 9198	< 0.25%

2- PET/PP

Main properties	Method	Results
Thickness/ <i>Epaisseur</i>	-	54 µm ±10%
Base weight/ <i>Masse surfacique</i>	-	58 g/m ² ±10%
Water vapour permeability/ <i>Perméabilité à la vapeur d'eau</i>	ASTM F 1249- 38°C- 90% RH	6.0 g/m ² /24h
Oxygen permeability/ <i>Perméabilité à l'Oxygène</i>	ASTM D 3985- 23°C- 0% RH	125 cc/m ² /24h

FURTHER INFORMATION

Sealing strength> 1.5N/15mm

Indicator is in accordance with class I of standard ISO 11140-1 : 2015.

The film complies with the requirements of Food and Drug Administration (21CFR 177/1630; 21CFR175/105, 21CFR177/1520)
The pouches and tubes comply with standards ISO11607-1 and ISO11607-2.

STORAGE CONDITIONS

Temperature from 10-30°C
Relative Humidity 40-60%HR
Avoid direct exposition to light

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List of articles and codes

Article	Code (on label)	Description
7600507	EB1530	STS PAP/PET PP VAP/GAZ 150* 300
7600508	ERS200S	G. PAP/PET PP VAP/GAZ 200S25 Lg 100
7600513	ER075S	G. PAP/PET PP VAP/GAZ 75 Lg 200
7600514	EB0720	STS PAP/PET PP VAP/GAZ 75* 200
7600515	ER100S	G. PAP/PET PP VAP/GAZ 100 Lg 200
7600516	EB1025	STS PAP/PET PP VAP/GAZ 100* 250
7600517	EB1020	STS PAP/PET PP VAP/GAZ 100* 200
7600518	ERS100S	G. PAP/PET PP VAP/GAZ 100S25 Lg 100
7600519	ER150S	G. PAP/PET PP VAP/GAZ 150 Lg 200
7600520	EB1535	STS PAP/PET PP VAP/GAZ 150* 350
7600522	EA1940	STS AUTO ADHESIF 190* 400
7600523	ER200S	G. PAP/PET PP VAP/GAZ 200 Lg 200
7600524	EB2030	STS PAP/PET PP VAP/GAZ 200* 300
7600525	EB2040	STS PAP/PET PP VAP/GAZ 200* 400
7600526	ER050S	G. PAP/PET PP VAP/GAZ 50 Lg 200
7600528	ER250S	G. PAP/PET PP VAP/GAZ 250 Lg 200
7600529	EB2535	TS PAP/PET PP VAP/GAZ 250* 350
7600530	EB2540	STS PAP/PET PP VAP/GAZ 250* 400
7600532	ER300S	G. PAP/PET PP VAP/GAZ 300 Lg 200
7600532	ER350	G. PAP/PET PP VAP/GAZ 300 Lg 200
7600533	EA3050	STS AUTO ADHESIF 300* 500
7600534	EB3250	STS PAP/PET PP VAP/GAZ 320* 500
7600536	EB4060	STS PAP/PET PP VAP/GAZ 400* 600
7600538	ER400S	G. PAP/PET PP VAP/GAZ 400 Lg 200
7600539	EB0725	STS PAP/PET PP VAP/GAZ 75* 250
7600541	ERS250S	G. PAP/PET PP VAP/GAZ 250S32,5 Lg100
7600545	EA1425	STS AUTO ADHESIF 140* 250
7600546	ERS300S	G. PAP/PET PP VAP/GAZ 300S32,5 Lg100
7600547	ERS400S	G. PAP/PET PP VAP/GAZ 400S40 Lg 100
7600548	EA9023	STS AUTO ADHESIF 90* 230
7600660	EB2545	STS PAP/PET PP VAP/GAZ 250* 450
7601230	EB6060	STS PAP/PET PP VAP/GAZ 600* 600

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