

GRADE – ECOLENE PR **MDO PE Film for Printing**

Product Features

▪ Transparent PE film with surface treatment on external side
▪ Optimal optical properties: gloss and transparency
▪ Specially designed for high speed packaging machines
▪ Enhanced tensile strength and stiffness
▪ Flatness of film suitable for printing on Rotogravure and Flexo
▪ Improved mechanical properties
▪ Better shrink properties
▪ Minimal deformation

ECOLENE PR FILM TECHNICAL DATA (V.1)				
PROPERTIES	UOM	TEST METHOD	TYPICAL VALUES	TYPICAL VALUES
THICKNESS	MICRON	ASTM F 2251	20 +/- 5%	25 +/- 5%
GSM	GMS/M ²	PFPL QMS TP 10	19 +/- 5%	23.75 +/- 5%
DENSITY	GM/CC	IS 8543	0.95 +/- 0.15	0.95 +/- 0.15
TENSILE STRENGTH	MD	N/mm ²	ASTM D 882	MIN 170
	TD			MIN 33
ELONGATION AT BREAK	MD	%	ASTM D 882	28 - 32
	TD			1.4 - 2.2
YOUNG MODULUS	MD	MPa	ASTM D 882	MIN 4400
	TD			MIN 2950
STRESS AT 1 % MODULUS	MD	KGF/cm ²	ASTM D 882	MIN 450
	TD			MIN 300
STRESS AT 2 % MODULUS	MD	KGF/cm ²	ASTM D 882	MIN 550
	TD			MIN 360
COF DYNAMIC - F/M (UNTREATED SIDE)	VALUE	ASTM D 1894	0.2 - 0.35	0.2 - 0.35
SURFACE TENSION	DYNE/CM	ASTM D 2578	MIN 38	MIN 38
HAZE	%	ASTM D 1003	MAX 10	MAX 10
OTR (23°C, 0% RH)	cc/m ² /day	ASTM D 3985	> 4000	> 4000
MVTR (38°C, 90% RH)	gm/m ² /day	ASTM F 1249	MAX 5.0	MAX 4.0

Reels Confirmation Availability

Maximum Width	1300mm
Maximum External Diameter	600mm
Internal Diameter	152mm
Coated Side Position	INSIDE (if requested, outside also available)
Packaging	Horizontal - Suspended

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Applications of Ecolene PR Film

Packaging Formats:		
▪ Pouch Form	▪ Roll Form	▪ Lable

Segments:		
▪ Salt	▪ Flour	▪ Frozen Foods
▪ Detergent	▪ Cereals	▪ Hand wash Pouches
▪ Rice	▪ Lenils	▪ Liquid detergent and Dish wash pouches
▪ Sugar	▪ Noodles	▪ Secondary Packs and Flow Wrap
▪ Whole Grains	▪ Paints and Accessories	▪ Seeds & Agro-Chemicals

Storage – Term of Use

Ecolene PR is delivered with a specific packaging (overwrapped with bubble plastic film) intended to protect the film against ambience influence. For all the period before its use, the material must be stored in a close warehouse and kept packed in its original packaging. In case of partial use, the not used rest reel must be packed again using the overwrapped bubble plastic film provided.

Ecolene films will not accept any responsibility for material processed after 4 months from delivery date.



Attach a tag of *RECYCLABLE* to your packaging!!

NOTES : This information should be considered only for guidance and is based on tests conducted in our laboratory and should not be considered as collateral for a customer's specific application.



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