

# DATA SHEET

## METALLIZED BIORIENTED POLYPROPYLENE FILM

Property		ME-X-20	ME-X-25	ME-X-30	ME-X-35	ME-X-40	Unit	Test Method
Thickness		20	25	30	35	40	μm	
Surface Weight		18.2	22.7	27.3	31.8	36.4	g/m <sup>2</sup>	
Yield		54.9	44.1	36.6	31.4	27.5	m <sup>2</sup> /kg	
Tensile Strength	MD	140	140	140	140	140	N/mm <sup>2</sup>	ASTM D 882
	TD	240	240	240	240	240	N/mm <sup>2</sup>	DIN 53455-6-5
Elongation at break	MD	200	200	200	200	200	%	ASTM D 882
	TD	80	80	80	80	80	%	DIN 53455-6-5
Surface Treatment		36	36	36	36	36	dyne/cm	ASTM D 2578
Heat Shrinkage	MD	4	4	4	4	4	%	BMS TT 02
	TD	2	2	2	2	2	%	(120° C-5min)
Sealing Strength		2.8	2.8	3.0	3.0	3.0	N/15mm	BMS TT 01 (130° C-15 ON-1S)
Optical density		>1.8	>1.8	>1.8	>1.8	>1.8		Macbeth
Oxygen permeability		150	150	150	150	150	cm <sup>3</sup> /m <sup>2</sup> /24h	ASTM D 1434 (23° C,0% R.H.)
Water vapour permeability		1.5	1.5	1.5	1.5	1.5	g/m <sup>2</sup> /24h	ASTM E 96 (38° C,90% R.H.)
Friction Coefficient		0.4	0.4	0.4	0.4	0.4		ASTM D 1894 DIN 53375-A

MD = Machine Direction, TD = Transversal Direction.

Above data are indicative

Marking of X grades:

figure: 0 -without treatment  
1 -treatment on inner side  
3 -treatment on outer side

### ■ REEL FORMATS

-core: 76, and 152 mm  
-outer diameter: max 800 mm

### ■ FOOD CONTACT APPLICATIONS

DIAXON films are suitable for many applications in direct contact with foodstuff

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