

**TECHNICAL INFORMATION**

**FLEXIBLE PACKAGING  
POLYESTER FILM - PMCR**

PROPERTIES		UNITS	TYPICAL VALUE						TEST METHOD
THICKNESS		mm	9	12	16	19	23	36	MICROMETER METHOD
OPTICAL DENSITY			-2 2.2	-2 2.2	-2 2.2	-2 2.2	-2 2.2	-2 2.2	
TENSILE STRENGTH AT	MD	KG/mm	27	26	26	25	25	25	
	TD		25	25	25	24	24	24	
ELONGATION AT BREAK	MD	%	130	130	135	140	140	140	ASTM D 882A
	TD		130	135	135	140	140	140	
YOUNG'S MODULUS	MD	KG/mm	450	450	450	450	450	450	ASTM D 882A
	TD		500	500	500	500	500	500	
HEAT SHRINKAGE	MD	%	1.4	1.4	1.4	1.4	1.4	1.4	JOLYBAR METHOD (150c/30min)
	TD		0.3	0.3	0.3	0.3	0.3	0.3	
HAZE		%	3.5	3.8	3.8	3.8	3.8	3.8	ASTM D 1003
TOTAL LUMINOUS TRANSMISSION		%	89.7	89.6	89.6	89.6	89.6	89.6	
OXYGEN PEREABILITY		Cc/m/24Hour	120	94	82	70	55	34	ASTM D 3985 (25c,75%,R.H.,1atm)
WATER VAPOUR TRANSMISSION RATE		G/m/24Hour	56	43	35	30	25	17	ASTM D 372 (37.8c,90%,R.H.,1atm)

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