

MORETEC® (Film) Product Data Sheet

Testing Items	Unit	Testing Method*1			Film (Cast)									
		JIS K	ISO	ASTM	0218CN	0218CM	0238CN	0258CN	0278G	0358CN	0438CN	1018CN	V-0398CN	
General Physical Properties	Melt Index	g/10min	7210	1133		2.1	2.1	2.1	2.1	2.1	2.8	4.0	8.0	3.3
	Density	kg/m ³	7112	1183		910	910	916	931	939	931	916	910	907
Mechanical Properties	Tensile Stress At Yield	Mpa	7161 7162	527-1 527-2		7.7	7.7	9.1	13	17	13	8.3	7.2	6.9
	Elongation At Break	%				300<	300<	300<	300<	300<	300<	300<	300<	300<
	Flexus Modulus	Mpa	7171	178		140	140	170	380	560	380	170	140	120
	Charpy Impact Strength	kJ/m ²	7111	179-1		NB	NB	NB	NB	NB	NB	NB	NB	NB
	Shore D Hardness	-	7215	868		52	52	52	58	61	58	52	51	50
Chemical Properties	E.S.C.R	hours	-	-	D1693	1000<	1000<	1000<	1000<	500	1000<	1000<	1000<	1000<
Thermal Properties	Vicat Softening Point		7206	306		90	90	98	116	119	116	97	90	88
	Melting Point *2		7121	11357-3		117	117	119	123	126	123	119	117	117
Additive Formulation						Non Slip	Medium Slip	Non Slip	Non Slip	Low Anti-oxidant Amount	Non Slip	Non Slip	Non Slip	Non Slip
Characteristics						Low Heat Seal Property	Low Heat Seal Property	Tear Strength	Stiffness	Heat Resistance	Stiffness		Low Heat Seal Property	Pinhole Resistance
						Pinhole Resistance	Slip Property	Heat Seal Strength		Stiffness			Softness	
Main Application						Lamination Film	Lamination Film	Lamination Film	Lamination Film	Lamination Film	Lamination Film	Lamination Film	Lamination Film	Lamination Film
						Bag-in-Box	Bag-in-Box						Bag-in-Box	

*1) Specimen preparation according to JIS K7151 (ISO293) and 7152 (ISO294) (Load at 2.16kg)

Melt Index above 1g/10min: Injection molding specimen

Melt Index below 1g/10min: Pressed sheet specimen

*2) Melting point: Melting peak temperature. Speed of decreasing temperature:5 /min, Speed of increasing temperature:10 /min

Statistics shown in the information are typical data tested under specific conditions

Applications usage that is mentioned in the information might not be the usage of specified grade in the end product.

Pertaining to the usage and application recommendation information, please note the rights of the patentees.

In the usage of medical utensile and medicinal products, please be advised to have further consultation.

Please understand that the information provided herein is subjected to change without prior notice.