

ULTZEX® (Film, Extrusion lamination) Product Data Sheet

Testing Items		Unit	Testing Method**1			Film						Extrusion Lamination		
			JIS K	ISO	ASTM	1020L	1520L	2022L	3520L	2520F	4050	10100W	15100C	2080C
General Physical Properties	Melt Index	g/10min	7210	1133		2.0	2.3	2.0	2.1	2.4	6	7	11	8
	Density	kg/m ³	7112	1183		909	914	919	931	922	937	910	914	916
Mechanical Properties	Tensile Stress At Yield	MPa	7161 7162	527-1 527-2		-	-	-	14	11	15	-	-	9
	Tensile Stress At Break	MPa				16	18	18	>26	20	25	15	>19	>20
	Elongation At Break	%				430	430	430	>500	440	>500	>500	>500	>500
	Flexus Modulus	MPa	7171	178		110	150	180	420	220	520	110	130	170
	Charpy Impact Strength	kJ/m ²	7111	179-1		NB	NB	NB	NB	NB	NB	NB	NB	NB
	Shore D Hardness	-	7215	868		50	54	55	62	56	58	50	50	51
Chemical Properties	E.S.C.R	hours	-	-	D1693	>1000	>1000	>1000	>1000	>1000	>100	>1000	>1000	>1000
Thermal Properties	Vicat Softening Point		7206	306		93	98	102	115	108	115	93	91	93
	Melting Point		7121	11357-3		115	115	120	124	122	125	114	-	-
Characteristics						Low Heat Seal Property	Low Heat Seal Property	Heat Seal Strength	Heat Resistance	Anti Blocking	Heat Resistance	Low Heat Seal Property	Heat Seal Strength	Heat Seal Strength
						Heat Seal Strength	Heat Seal Strength		Stiffness	Heat Seal Strength	Stiffness		Processibility	
									Heat Seal Strength				Low Heat Seal Property	
													*3	*2
Main Application						Lamination Film	Lamination Film	Lamination Film	Lamination Film	General Packaging		Liquid Packaging	Flexible Packaging	Flexible Packaging
										Agricultural Film			Liquid Packaging	

*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) Slip additive grade available

*3) Non slip additive grade available

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.
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