

**HI-ZEX® (Film) Product Data Sheet**

Testing Items		Unit	Testing Method *1			Film				
			JIS K	ISO	ASTM	3300F	3600F	7000F	8000F	640UF
General Physical Properties	Melt Index	g/10min	7210	1133		1.1	1.0	0.04	0.03	0.21
	Density	kg/m <sup>3</sup>	7112	1183		950	958	952	948	947
Mechanical Properties	Tensile Stress At Yield	MPa				21	26	27	23	23
	Elongation At Break	%	7161 7162	527-1 527-2		>500	>500	>500	>500	300<
	Tensile Modulus	MPa				800	1200	1200	1000	1000
	Flexus Modulus	MPa	7171	178		800	1200	1200	1000	1000
	Charpy Impact Strength	kJ/m <sup>2</sup>	7111	179-1		NB	10	NB	NB	30
	Shore D Hardness	—	7215	868		62	66	64	61	64
Chemical Properties	E.S.C.R	hours	—	—	D1693	30	10	>600	>600	1000<
Thermal Properties	Vicat Softening Point	°C	7206	306		123	123	124	122	122
	Melting Point	°C	7121	11357-3		132	133	131	130	131
Characteristics						Packing Property	High Stiffness	Impact Strength	High Impact Strength	High Speed Mouldability
						Stiffness	High Strength			High Strength
Main Application						Protection Film	Stiffness Improvement	Enhanced Ultra Thin Film	Enhanced Ultra Thin Film	Enhanced Down-gauge Film
						Twisting Type Packaging	Twisting Type Packaging			Ultra Thin Film

\*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

- ◇ 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.