

Producer: Prime Polymer Co., Ltd. / Japan

## HI-ZEX® 7000F

**Description:**

Film grade

**Characteristics:**

- Impact Strength

**Application:**

- Enhanced Ultra Thin Film

**Typical Properties:**

PROPERTIES	UNIT	TEST METHOD <sup>*1</sup>			VALUE
		JIS K	ISO	ASTM	
<b><u>General Physical Properties</u></b>					
Melt Index	g/10 min	7210	1133		0.04
Density	kg/m <sup>3</sup>	7112	1183		952
<b><u>Mechanical properties</u></b>					
Tensile Stress At Yield	Mpa	7161	527-1		27
Elongation At Break	%				>500
Tensile Modulus	Mpa	7162	527-2		1200
Flexus Modulus	Mpa	7171	178		1200
Charpy Impact Strength	kJ/m <sup>2</sup>	7111	179-1		NB
Shore D Hardness	-	7215	868		64
<b><u>Chemical properties</u></b>					
E.S.C.R	hours	-	-	D 1693	>600
<b><u>Thermal properties</u></b>					
Vicat Softening Point	°C	7206	306		124
Melting Point	°C	7121	11357-3		131

\*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.