

## HI-ZEX® (Injection) Product Data Sheet

Testing Items		Unit	Testing Method*1			Injection Molding										
			JIS K	ISO	ASTM	1108J	1300J	1608J	1700J	2100J	2100JH	2110JH	2200J	2208J	130J	232J
General Physical Properties	Melt Index	g/10min	7210	1133		8	12	18	16	5.8	9.0	9.0	5.2	5.2	10	5.0
	Density	kg/m <sup>3</sup>	7112	1183		961	961	955	967	953	952	952	964	964	953	958
Mechanical Properties	Tensile Stress At Yield	MPa	7161 7162	527-1 527-2		27	27	22	29	21	21	21	28	28	22	26
	Elongation At Break	%				>500	>500	200	200	370	310	310	310	>500	>500	100<
	Tensile Modulus	MPa				1300	1100	950	1300	900	850	810	1100	1100	900	1000
	Flexus Modulus	MPa	7171	178		1300	1200	950	1300	900	850	810	1300	1200	900	1100
	Charpy Impact Strength	kJ/m <sup>2</sup>	7111	179-1		4	4	3	3	4	5	5	7	7	4	7
	Shore D Hardness	-	7215	868		65	65	62	65	63	62	62	65	65	67	67
Chemical Properties	E.S.C.R	hours	-	-	D1693	4	3	3	-	8	16	16	4	4	15	12
Thermal Properties	Vicat Softening Point		7206	306		126	126	121	130	121	122	122	130	130	122	124
	Melting Point		7121	11357-3		134	134	130	135	131	131	131	135	135	132	135
Characteristics						Flowability	Flowability	Flowability	Flowability	Mechanical Strength	Stress Cracking Resistance	Stress Cracking Resistance	Stiffness	Stiffness	Stress Cracking Resistance	General Applications
						Stiffness	Stiffness	Stiffness	Stiffness		Exterior Outlook	Exterior Outlook		Weather Resistance		Anti-Static Agent
Main Application						Daily Necessities	Daily Necessities	Daily Necessities		Industrial Parts	Industrial Parts	Industrial Parts	Industrial Parts	Container	Industrial Parts	Industrial Parts
						Industrial Parts	Industrial Parts	Industrial Parts		Cap			Daily Necessities	Pallet	Daily Necessities	Daily Necessities
														Daily Necessities		

\*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.  
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