

**HI-ZEX<sup>®</sup> (Blow) Product Data Sheet**

Testing Items		Unit	Testing Method *1			Blow Molding										
			JIS K	ISO	ASTM	3000B	5100B	5202B	5600B	6008B	6203B	8200B	8800B	520MB		
General Physical Properties	Melt Index	g/10min	7210	1133		0.63	0.27	0.32	0.45	0.36	0.36	0.03	0.04	0.25		
	Density	kg/m <sup>3</sup>	7112	1183		961	944	960	935	956	956	952	952	961		
Mechanical Properties	Tensile Stress At Yield	MPa	7161 7162	527-1 527-2		31	21	31	17	26	26	26	26	31		
	Elongation At Break	%				>500	>500	>500	>500	>500	>500	>500	>500	>500	>500	100<
	Tensile Modulus	MPa				1500	850	1500	550	1300	1300	1100	1100	1400		
	Flexus Modulus	MPa	7171	178		1600	850	1600	550	1300	1300	1100	1100	1600		
	Charpy Impact Strength	kJ/m <sup>2</sup>	7111	179-1		6	13	NB	NB	9	8.6	NB	NB	14		
	Shore D Hardness	—	7215	868		65	61	64	58	64	64	63	63	68		
Chemical Properties	E.S.C.R	hours	—	—	D1693	24	>600	40	>600	300	300	>600	>600	45		
Thermal Properties	Vicat Softening Point	°C	7206	306		128	119	128	119	123	123	123	123	128		
	Melting Point	°C	7121	11357-3		134	126	134	126	132	132	132	132	136		
Characteristics						Odorless	Stress Cracking Resistance	Impact Strength	Impact Strength	Stress Cracking Resistance	Stress Cracking Resistance	Stiffness	Stiffness	Stiffness		
							Anti-pressing Property			Anti-Static Agent		Impact Strength	Impact Strength	Impact Strength		
Main Application						Food Container	Cosmetic Container	Kerosene Container	Detergent Container	Detergent Container	Detergent Container	Big Container	Big Container	Kerosene Container		
						Industrial Parts	Detergent Container	Chemical Container	Shampoo Container	Shampoo Container	Shampoo Container	Chemical Container	Chemical Container	Medium Size Container		
							Shampoo Container		Cosmetic Container	Cosmetic Container	Cosmetic Container					

\*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.