

**HI-ZEX® (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	537B	530B	550BR
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	0.27	0.27	0.27
	Density	kg/m <sup>3</sup>	7112	1183		961	944	960	935	956	956	952	952	961	951	956	951
Mechanical Properties	Tensile Stress At Yield	MPa				31	21	31	17	26	26	26	26	31	25	27	25
	Elongation At Break	%	7161 7162	527-1 527-2		>500	>500	>500	>500	>500	>500	>500	>500	100<	300<	100<	300<
	Tensile Modulus	MPa				1500	850	1500	550	1300	1300	1100	1100	1400	1100	1200	1100
	Flexus Modulus	MPa	7171	178		1600	850	1600	550	1300	1300	1100	1100	1600	1200	1300	1200
	Charpy Impact Strength	kJ/m <sup>2</sup>	7111	179-1		6	13	NB	NB	9	8.6	NB	NB	14	11	8	11
	Shore D Hardness	-	7215	868		65	61	64	58	64	64	63	63	68	66	68	66
Chemical Properties	E.S.C.R	hours	-	-	D1693	24	>600	40	>600	300	300	>600	>600	45	1000<	650	1000<
Thermal Properties	Vicat Softening Point		7206	306		128	119	128	119	123	123	123	123	128	121	123	121
	Melting Point		7121	11357-3		134	126	134	126	132	132	132	132	136	133	133	133
Characteristics						Odorless	Stress Cracking Resistance	Impact Strength	Impact Strength	Stress Cracking Resistance	Stress Cracking Resistance	Stiffness	Stiffness	Stiffness	Processibility	Processibility	Processibility
							Anti-pressing Property			Anti-Static Agent		Impact Strength	Impact Strength	Impact Strength	Stress Cracking Resistance	Stiffness	Stress Cracking Resistance
Main Application						Food Container	Cosmetic Container	Kerosene Container	Detergent Container	Detergent Container	Detergent Container	Big Container	Big Container	Kerosene Container	Small Container	Small Container	Small Container
						Industrial Parts	Detergent Container	Chemical Container	Shampoo Container	Shampoo Container	Shampoo Container	Chemical Container	Chemical Container	Medium Size Container	Detergent Container	Daily Necessities	Detergent 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.  
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