

NEO-ZEX^R (Injection, Roto, Extrusion) Product Data Sheet

Testing Items		Unit	Testing Method ^{*1}			Injection Molding					Rotomolding	Blow Molding	Extrusion Molding
			JIS K	ISO	ASTM	40300J	1014T	2024G	2074G	45200	2540R	2006H	2015M
General Physical Properties	Melt Index	g/10min	7210	1133		36	10	25	25	20	3.4	0.6	1.2
	Density	kg/m ³	7112	1183		938	910	915	940	943	923	920	922
Mechanical Properties	Tensile Stress At Yield	Mpa	7161 7162	527-1 527-2		15	7.1	7.2	16	20	11	-	-
	Elongation At Break	%				130	300<	300<	120	290	470	370	370
	Flexus Modulus	Mpa	7171	178		510	110	150	570	650	250	200	240
	Charpy Impact Strength	kJ/m ²	7111	179-1		4.5	NB	NB	6	5	NB	NB	NB
	Shore D Hardness	-	7215	868		60	49	50	63	60	57	51	56
Chemical Properties	E.S.C.R	hours	-	-	D1693	1	500	2	1	7	>1000	>1000	>1000
Thermal Properties	Vicat Softening Point		7206	306		117	80	93	117	118	101	100	99
	Melting Point ^{*2}		7121	11357-3		125	113	115	125	126	121	120	122
Additive Formulation							Low Anti-oxidant Amount						
Characteristics						Good Flowability	Softness	Good Flowability	Good Flowability	Good Flowability	Stiffness	Impact Strength	Processability
								Stiffness	Stiffness	High Impact Strength	Clarity	Creep Property	
Main Application						Cap	Daily Necessities	Daily Necessities	Daily Necessities	Cap	Piping	Salad Sauce Container	Water Pipe
											Chemical Container	Blown Pipe	
												Detergent 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

*2) Melting point: Melting peak temperature. Speed of decreasing temperature:5 /min. Speed of increasing temperature:10 /min

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.