

	항목 Item	시험방법 Method		시험조건 Condition	단위 Unit	VH5
물리적 성질 Physical properties	밀도 Specific Gravity	JIS K7112	ISO 1183		g/cm <sup>3</sup>	1.19
	전광선 투과율 Total Light Transmittance	JIS K7361-1	ISO 13468-1	3mm	%	93
	Haze Haze	JIS K7136	ISO 14782	3mm	%	0.3
	굴절율 Refractive index	JIS K7142	ASTM D542	nD	—	1.49
	흡수율 Water absorption	JIS K7209	ISO 62	24hr	%	0.3
열적 성질 Thermal properties	비열 Specific heat	JIS K7123			J/(g·°C)	1.5
	선팽창계수 Coefficient of linear thermal expansion	JIS K7197			1/°C	6×10 <sup>-5</sup>
	열전도율 Thermal conductivity	JIS A1412			W/(m·°C)	0.2
	열변형온도 Heat distortion temperature	JIS K7191-1,2	ISO 75-1,2	1.8MPa	°C	100
	Vicat연화온도 Vicat Softening temperature	JIS K7206	ISO 306	B50	°C	107
	융용흐름정도 Melt flow rate	JIS K7210	ISO 1133	230°C,37.3N	g/10min	5.5
	Spiral유동성 (두께2mm) Spiral flow (2mm thickness)	MCC法	MCC Method	230°C	mm	180
				250°C	mm	290
성형수축율 Mold shrinkage	MCC法	MCC Method		%	0.2-0.6	
기계적 성질 Mechanical properties	인장강도 Tensile strength	JIS K7162	ISO 527-2	1A/5	MPa	61
	신율 Elongation	JIS K7162	ISO 527-2	1A/5	%	3
	인장탄성율 Modulus of Elasticity	JIS K7162	ISO 527-2	1A/1	GPa	3.3
	굴곡강도 Flexural strength	JIS K7171	ISO 178		MPa	130
	굴곡탄성율 Flexural modulus	JIS K7171	ISO 178		GPa	3.3
	Sharpy충격강도 Charpy impact strength	JIS K7111-1	ISO 179-1	1eU unnotched	kJ/m <sup>2</sup>	19
				1eAV notched	kJ/m <sup>2</sup>	1.3
	Rockwell 경도 Rockwell hardness	JIS K7202-2	ISO 2039-2	M scale	—	100
전기적 성질 Electrical properties	표면저항율 Surface resistivity	JIS K6911			Ω	>10 <sup>16</sup>
	체적저항율 Electrical volume resistivity	JIS K6911			Ωm	>10 <sup>13</sup>
	절연파괴강도 Dielectric strength	JIS K6911		4kV/sec	MV/m	20
	유전율 Dielectric constant	JIS K6911		60Hz	—	3.7
	역률 Power factor	JIS K6911		60Hz	—	0.05
	耐Arc성 Arc resistance	JIS K6911			—	No track
연소성	UL 94 Flamability	UL94		1.5mm, 3.0mm	—	HB

\* 수치는 대표치로 보증치는 아님.

\* All technical information and data are typical values, and are not standard value.