

	항목 Item	시험방법 Method	시험조건 Condition	단위 Unit	VHM		
물리적 성질 Physical properties	밀도 Specific Gravity	JIS K7112 ISO 1183		g/cm ³	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 ⁻⁵		
	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		
	융융흐름정도 Melt flow rate	JIS K7210 ISO 1133	230°C, 37.3N	g/10min	3.1		
	Spiral유동성 (두께2mm) Spiral flow (2mm thickness)	MCC法	MCC Method	230°C	mm	140	
				250°C	mm	230	
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	76		
	신율 Elongation	JIS K7162 ISO 527-2	1A/5	%	5		
	인장탄성율 Modulus of Elasticity	JIS K7162 ISO 527-2	1A/1	GPa	3.3		
	굴곡강도 Flexural strength	JIS K7171 ISO 178		MPa	135		
	굴곡탄성율 Flexural modulus	JIS K7171 ISO 178		GPa	3.3		
	Sharpy충격강도 Charpy impact strength	JIS K7111-1 ISO 179-1	1eU unnotched	kJ/m ²	20		
			1eAV notched	kJ/m ²	1.4		
Rockwell 경도 Rockwell hardness	JIS K7202-2 ISO 2039-2	M scale	—	101			
전기적 성질 Electrical properties	표면저항율 Surface resistivity	JIS K6911		Ω	>10 ¹⁶		
	체적저항율 Electrical volume resistivity	JIS K6911		Ω m	>10 ¹³		
	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.