



6-41KONAN, 1-CHOME, MINATO-KU, TOKYO, 108-8506 JAPAN

Properties (001 contains Ultra Violet Ray absorber,000 does not contain.)

Item	Method	Condition	Unit	Standard grade		
				VH	VH6	TF8
				001/000	001	001/000
Specific gravity	JIS K7112 ISO 1183		g/cm ³	1.19	1.19	1.19
Total light transmittance	ISO 13468	3mm	%	92.5	93	93
Haze	ISO 14782	3mm	%	0.3	0.3	0.3
Refractive index	ASTM D542	nd	—	1.49	1.49	1.49
Water absorption	ISO 62	24hr	%	0.3	0.3	0.3
Specific heat	JIS K7123		J/(g·°C)	1.5	1.5	1.5
Coefficient of linear expansion	ASTM D696		1/C	6×10 ⁻⁵	6×10 ⁻⁵	6×10 ⁻⁵
Coefficient of Thermal conductivity	ASTM C177		W/(mC)	0.2	0.2	0.2
Deflection temperature under load	ISO 75	1.80MPa	C	100	95	94
Vicat Softening temperature	ISO 306	50N	C	107	102	101
Melt flow rate	ISO 1133	230C,37.3N	g/10min	2.0	1.5	10.0
Spiral flow (2mm thickness)	MRC method	230C	mm	130	120	220
		250C	mm	220	200	340
Mold shrinkage	MRC method		%	0.2-0.6	0.2-0.6	0.2-0.6
Tensile strength	ISO 527	1A/5	MPa	77	75	59
Tensile elongation	ISO 527	1A/5	%	6	6	3
Flexural strength	ISO 178		MPa	140	130	120
Flexural modulus	ISO 178		GPa	3.3	3.0	3.3
Izod Impact strength	ISO 180	1A	kJ/m ²	2.1	3.3	3.3
Charpy impact strength	ISO179	1eU unnotched	kJ/m ²	20	18	19
		1eA V notched	kJ/m ²	1.4	1.6	1.3
Rockwell hardness	ISO 2039	M scale	—	101	100	96
Surface resistivity	JIS K6911		Ω	>10 ¹⁶	>10 ¹⁶	>10 ¹⁶
Volume resistivity	JIS K6911		Ωm	>10 ¹³	>10 ¹³	>10 ¹³
Dielectric strength	JIS K6911	4kV/sec	MV/m	20	20	20
Dielectric constant	JIS K6911	60Hz	-	3.7	3.7	3.7
Power factor	JIS K6911	60Hz	-	0.05	0.05	0.05
Arc resistance	JIS K6911		—	no track	no track	no track