

	<u>Properties Tested</u>	<u>Test Method</u>	<u>Test Condition</u>	<u>Unit</u>	<u>Technical Standard</u>	<u>Test Value</u>
<b>Mechanical Properties</b>	Specific Gravity	ISO 1183		g/cm <sup>3</sup>	1.18	1.19
	Tensile Strength	ISO 527-2	1A/5	Mpa	≥70	76.7
	Tensile Strain	ISO 527-2	1A/5	%	≥3	12
	Tensile Modules of Elasticity	ISO 178		Mpa	≥3000	3440
	No Export Impact Strength	Charpy impact strength notched				≥17
<b>Optical Properties</b>	Rockwell Hardness	ISO 2039	M scale	—	—	99.9
	Light Transmittance	ISO 13468-1	5mm	%	≥91	93
	Refractive Index	ISO 489	nd	—		1.49
<b>Thermal Properties</b>	Specific Heat	JIS K7123		J/(G·°C)		1.5
	Coefficient of Lineal Thermal Expansion	JIS K7197		1/°C		6×10 <sup>-5</sup>
	Thermal Conductivity	JIS A1412		W/(m·°C)		0.2
	Vicat Softening Temperature	ISO 306	B50	°C	≥100	113
	Forming Temperature		Appro	°C		150-180
	Self Ignition Temperature	D1929		°C		443
	<b>Electrical Properties</b>	Surface Resistivity	JIS K6911		Ω	
Electrical Volume Resistivity		JIS K6911		Ωm		>10 <sup>13</sup>
Dielectric Strength		JIS K6911	4KV/sec	MV/m		20
Dielectric Constant		JIS K6911	60Hz	—		3.7

1. Testing was done with specific conditions

2. Samples used were natural color