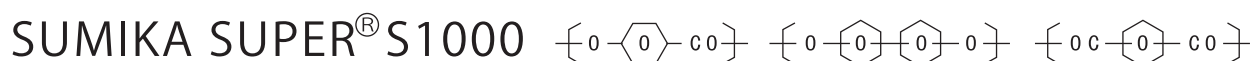


# Property Table



※SUMIKA SUPEER is registered trademark of Sumitomo Chemical Company, Limited.

Properties	Test method ASTM	Unit	S 1 0 0 0 (Natural)
<b>● Physical properties</b>			
Specific Gravity	D-792	-	1.35
Water Absorption	D-570	%	0.04
<b>● Mechanical properties</b>			
Tensile Strength (23°C)	D-638	MPa	69.0
(260°C)			36.0
Tensile elongation	D-638	%	8.0
Tensile Modulus		MPa	1765
Flexural Strength (23°C)	D-790	MPa	100
(260°C)			44
Flexural Modulus (23°C)	D-790	MPa	3236
(260°C)			883
Compressive strength	D-695	MPa	144
Compression modulus	D-695	MPa	2256
Izod Impact Strength, notched	D-256	J/m	22
unnotched			107
Rockwell Hardness	D-785	-	R124
<b>● Thermal properties</b>			
Deflection Temperature at 1.82 MPa	D-648	°C	300
Continuous service temperature	-	°C	260
Linear expansion coefficient	D-696	×10 <sup>-5</sup> /°C	5.1
Oxygen Index	D-286	%	36-37
Thermal conductivity	-	W/m · °C	0.4
<b>● Electrical property</b>			
Volume Resistivity	D-257	Ω · m	10 <sup>13</sup>
Dielectric breakdown voltage(3.2mm)	D-149	MV/m	18
Dielectric constant (10 <sup>6</sup> HZ)	D-150	-	3.68/3.44
Dissipation Factor (10 <sup>6</sup> HZ)	D-150	-	0.0085/0.0151
Arc Resistance	D-495	sec	127

The above values are for reference only and are not guaranteed.

YP16-S1000-11