

Property Table

<PES sliding grade>
SUMIPROY® E3010

(PES + SUMIKA SUPER E101 + PTFE)

※SUMIPROY is registered trademark of Sumitomo Chemical Company,Limited.

Properties	Test method ASTM	Unit	SUMIPROY® E3010
● Physical properties			
Specific Gravity	ASTM D792	-	1.48
Water Absorption 23℃ 24hr	ASTM D570	%	0.34
● Mechanical properties			
Tensile Strength (23℃)	ASTM D638	MPa	37
Tensile Elogation (23℃)	ASTM D638	%	8
Flexural Strength (23℃)	ASTM D790	MPa	61
Flexural Modulus (23℃)	ASTM D790	MPa	2,600
Compressive Strength (23℃)	ASTM D695	MPa	78
Elastic Modulus	ASTM D695	GPa	1.46
Izod Impact Strength(unnotched 6.4t)	ASTM D256	J/m	148
Rockwell Hardness (R scale)	ASTM D785	-	115
● Thermal properties			
Load-deflection temperature (1.82MPa)	ASTM D648	℃	198
Coefficient of thermal ezpansion MD	Sumitomo Chemical Method	10 ⁻⁵ /℃	6.2
		TD	10 ⁻⁵ /℃
● Electrical property			
Flammability Rating	UL94	-	V-0
Volume Resistivity	ASTM D257	Ωm	10 ¹⁴

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

EYP16-E3010-11

