Item	Method	Unit	PELPRENE™ S-Type				
			S1001	S2001	S3001	S6001	S9001
Hardness	JIS K6301	A	96	97	98	99	99
	ASTM D2240	D	48	55	60	72	78
Specific Gravity	ASTM D792	–	1.21	1.24	1.26	1.28	1.29
50% Tensile Modulus	ASTM D638	MPa	10.8	16.7	19.6	27.5	44.1
10% Compression Modulus	ASTM D695	MPa	10.2	16.3	21.1	30.8	39.2
Flexual Modulus	ASTM D790	MPa	125	186	274	568	882
Tensile Strength	ASTM D638	MPa	30	36	40	44	49
Tensile elongation	ASTM D638	%	730	610	540	490	400
Tear Strength	ASTM D624	kN/m	118	155	167	196	250
IZOD notched impact test	ASTM D256	J/m	NB	NB	NB	147	59
Taber abrasion	ASTM D1044	mg/1000c.	15	12	10	8	6
Resilience	JIS K6301	%	63	60	58	56	–
Compression set	JIS K6301	%	60	61	62	–	–
Melting point	DSC		200	206	216	218	223
Vicat Softening point	ASTM D1525		172	185	193	202	207
Heat deflection temperature	ASTM D648		68	107	117	130	146
Brittle point	JIS K6301		< -65	< -65	< -65	< -60	-50
Flammability	UL94	–	HB	HB	HB	HB	HB
Coefficient of heat expansion	TMA	1/K	19×10^{-5}	14×10^{-5}	14×10^{-5}	14×10^{-5}	14×10^{-5}
Dielectric strength	JIS K2111	MV/m	25	30	30	30	30

Volume strength	ASTM D257	Ω•cm	2×10^{12}	2×10^{13}	1×10^{14}	5×10^{14}	7×10^{15}
Moisture absorption	23 , 65%RH	%	0.40	0.38	0.34	0.30	0.28
Melt flow index	ASTM D1238	g/10min	18^{b}	16^{b}	16^{b}	12^{b}	10^{b}
Mold shrinkage	Mold 2mm thickness	%	1.2	1.3	1.5	1.7	1.8

* Melt flow index a:190℃ b:230℃

The data the description is the popular value, not the guaranteed value.