

SUSTEEL PPS : Neat resin

< Characteristics >

Testing Item	Unit	Testing Method	SUSUTEEL B-385	SUSUTEEL B-042	SUSUTEEL #160	SUSUTEEL B-063
Melt Viscosity*1	poise	TOSOH	195 – 285	535 – 745	1550 – 2040	2050 - 2940
Specific gravity	-	ASTM D792	1.36	1.36	1.36	1.36
Tensile strength	MPa	ASTM D638	58	69	71	78
Tensile elongation	%	ASTM D638	1.2	1.8	2.1	2.5
Flexural strength	MPa	ASTM D790	95	100	133	137
Flexural modulus	GPa	ASTM D790	3.7	3.9	3.6	3.8
Izod impact strength(Notched)	J/m	ASTM D256	8	10	11	12
(Unnotched)	J/m	ASTM D256	90	102	121	135

*1 ; Flow tester testing temperature 315deg C

< Injection Conditions >

Pellet Drying	150deg C*2hr-120 deg C*5hr	Injection Pressure	50-150 MPa
Cylinder Temperatures(Rear)	270-300 deg C	Injection Speed	Middle-High
(Middle)	270-300 deg C	Back Pressures	1-20 MPa
(Nozzle)	290-330 deg C	Screw Speed	100-150rpm
Mold Temperature	135-150 deg C		

