

Property	Method	Units	SR6200	SR6350	SR6500	SR8200	SR8350	SR8500	SRB100	SRG095	SRG097	SRB215	SRB235	SRE255	SRJ259
<b>1. Rheological Properties</b>															
Melt mass-flow rate (230°C, 3.8kg)	1133 cond 13	g/10min	4.5	2.2	0.7	1.3	0.7	0.3	4.6	2.2	1.9	3.3	1.6	0.8	5.3
Spiral flow length <small>Thickness: 2mm Cylinder Temp: 250°C Mold Temp: 60°C Pressure: 75MPa</small>	ASAHIKASEI method	cm	34	30	27	25	24	22	36	28	27	32	26	25	36
<b>2. Mechanical Properties</b>															
Tensile modulus	527-2/1A/1	MPa	2400	1800	1300	2400	1800	1300	2900	2900	2900	2450	2400	2300	2300
Tensile strength at break	527-2/1A/5	MPa	50	40	30	60	40	30	67	60	60	57	55	54	53
Tensile strain at break	527-2/1A/5	%	25	50	70	20	40	55	24	23	23	30	35	40	42
Charpy impact strength (Unnotched)	179/1eU	KJ/m <sup>2</sup>	25	60	120	25	75	120	23	30	30	60	65	50	48
Charpy impact strength (Notched)	179/1eA	KJ/m <sup>2</sup>	2	3	8	2	3	8	1.2	1.7	1.6	3.3	3.6	3.5	2.5
<b>3. Thermal properties</b>															
Temperature of deflection under load	75-1 75-2	°C	86	82	78	94	89	84	97	99	99	96	97	95	95
VICAT softening temperature	306 B 50	°C	94	87	78	102	94	84	104	106	106	101	102	102	100
<b>4. Physical properties</b>															
Water absorption at 23°C	62 method 1	%	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Density	1183	g/cm <sup>3</sup>	1.17	1.16	1.14	1.17	1.16	1.14	1.18	1.18	1.18	1.17	1.17	1.17	1.17
<b>5. Specific properties (not in ISO 10350)</b>															
Refractive index	489	—	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49
Total luminous transmittance	13468-1	%	92	92	92	92	92	92	92	92	92	92	92	91	91
Flexural modulus	178	MPa	2400	1800	1300	2400	1800	1300	2900	2900	2900	2450	2400	2300	2300
Flexural strength	178	MPa	100	70	50	100	70	50	113	105	105	98	95	94	85
Rockwell hardness	2039-2	M scale							82	87	87	76	74	72	72
		R scale	116	104	90	118	106	92	0	0	0	0	0	0	0
Mold shrinkage	ASAHIKASEI method	cm/cm	0.003~0.007	0.003~0.008	0.004~0.008	0.003~0.007	0.003~0.008	0.004~0.008	0.003~0.007	0.003~0.007	0.003~0.007	0.003~0.008	0.003~0.008	0.003~0.009	0.003~0.008

NOTE: The values in the above Table are representative values obtained using the noted test methods. Please use these values as a reference when selecting the most suitable grade for each respective use. In addition, these values may change due to the improvement of properties. |