

Property	Method	Units	980N	981J	982J	PM120N
1. Rheological Properties						
Melt mass-flow rate (230°C, 3.8kg)	1133 cond 13	g/10min	1. 6	1. 8	2. 0	1. 2
Spiral flow length Thickness:2mm Cylinder Temp:250°C Mold Temp:60°C Pressure:75MPa	ASAHIKASEI method	cm	30	28	28	28
2. Mechanical Properties						
Tensile modulus	527-2/1A/1	MPa	3600	3400	3300	3500
Tensile strength at break	527-2/1A/5	MPa	77	77	77	77
Tensile strain at break	527-2/1A/5	%	4	5	5	5
Charpy impact strength (Unnotched)	179/1eU	KJ/m ²	17	17	20	16
Charpy impact strength (Notched)	179/1eA	KJ/m ²	1. 2	1. 2	1. 3	1. 2
3. Thermal properties						
Temperature of deflection under load	75-1 75-2	°C	118	110	103	118
VICAT softening temperature	306 B 50	°C	123	116	110	123
4. Physical properties						
Water absorption at 23°C	62 method 1	%	0. 3	0. 3	0. 3	0. 3
Density	1183	g/cm ³	1. 20	1. 20	1. 19	1. 19
5. Specific properties (not in ISO 10350)						
Refractive index	489	—	1. 51	1. 50	1. 50	1. 51
Total luminous transmittance	13468-1	%	92	92	92	91
Flexural modulus	178	MPa	3600	3400	3300	3500
Flexural strength	178	MPa	130	130	130	120
Rockwell hardness	2039-2	M scale R scale	103	103	101	103
Mold shrinkage	ASAHIKASEI method	cm/cm	0.002~0.006	0.002~0.006	0.002~0.006	0.002~0.006

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. |