

Properties	Test method	Test condition	Unit	Talc reinforced										GF-reinforced				Flame retardant				Conductive		
				General purpose					Easy flow				Impact resistant	For Extrusion	General purpose			GF/Maica	V-2	V-0	Rigid	Halogen-Free	General purpose	V-1
				10% PT2N1	15% PT3N1	20% PT4N1	30% PT6N1	40% PT8N1	15% PT3F1	20% PT4F1	30% PT6F1	40% PT8F1	20% PTS4N1	30% PT6E1	10% PG2N1	20% PG4N1	30% PG6N1	35% PGM7T1	- PNAS3	- PNAK2	25% FP994	- PNAN5	- PB2N1	- PB6N3
Melt mass-flow rate	ISO 1133	230℃/2.16kg	g/10min	12	12	12	12	8	25	25	20	13	10	1.1	9	8	7	4	21	11	3	18	8	33
Mold shrinkage	ASTM D955		%	1.2 - 1.5	1.1 - 1.4	1.0 - 1.3	0.9 - 1.2	0.8 - 1.1	1.1 - 1.4	1.0 - 1.3	0.9 - 1.2	0.8 - 1.1	0.6 - 0.9	0.9 - 1.2	0.6 - 0.9	0.5 - 0.8	0.4 - 0.7	0.4 - 0.7	1.5 - 1.8	1.5 - 1.8	0.6 - 0.9	1.2 - 1.5	1.3 - 1.6	0.9 - 1.2
Tensile strength	ISO 527		MPa	28	28	28	29	30	25	25	26	27	21	26	60	85	100	65	28	32	24	20	30	18
Flexural strength	ISO178		MPa	38	38	39	42	45	35	36	39	42	31	40	82	108	130	84	35	48	37	34	36	33
Flexural modulus	ISO178		MPa	2100	2400	2700	3100	4100	1800	2100	3000	4300	2000	3100	3100	4200	6000	5500	1400	1900	2800	2800	1600	1600
Charpy notched impact strength	ISO179/1eA	23℃	kJ/m ²	8	7	6	5	4	7	6	5	3	46	16	7	12	13	8	7	3	4	2	15	6
Rockwell hardness	ISO 2039	Rスケール	-	87	87	87	88	88	85	85	86	86	60	83	100	110	111	110	87	97	85	86	60	78
Deflection temperature under load	ISO 75	0.45MPa	℃	112	115	117	129	133	102	107	118	135	114	115	155	160	160	160	95	110	130	115	92	82
Ball pressure registration temperature	-		℃	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	135	-	-	-
Flamability	UL94		-	HB(blk)	-	-	-	-	-	-	-	-	-	-	HB	HB	HB	HB(nc, blk)	V-2/0.75 mm	V-0/0.75 mm	V-0/0.75 mm	V-0相当/ 2.0mm	-	V-1/2.0mm (blk)
Volume Resistivity	ASTM D257		Ω・m	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.E+00	-
Surface Resistivity	ASTM D257		Ω	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.E+02	1.E+08
Density	ISO 1183		g/cm ³	0.97	1.00	1.05	1.13	1.23	1.00	1.05	1.13	1.23	1.03	1.13	0.97	1.04	1.13	1.19	0.93	1.07	1.39	1.08	1.02	1.28

NOTES

1. UL recognition File No. of Daicel Polymer is E47773.
2. Values with asterisk (*) are UL-recognized values.
3. GF-reinforced grades come under Item 5 (18) of Annex 1 of the Export Trade Control Order on the basis of the Foreign Exchange and Foreign Trade Law of Japan.