

Properties	Test method	Test condition	Unit	NOVALLOY X PC/HIP			NOVALLOY S PC/ABS					
				V-0 Standard	V-1 Easy flow	V-0 Easy flow	V-0 Standard	V-0 Heat resistant	V-0 Easy flow	V-0 Easy flow	V-0 High-Heat resistant	V-1 Filled,
				X7203L (Type V)	X7303L	X72S2	S6500L	S6700	S6900	S7600	S7900 (Type G)	S66S4
Melt mass-flow rate	ISO 1133	220℃/10kg 240℃/5kg	g/10min	40 -	50 -	50 -	45 26	31 21	- 11	- 40	- 13	- -
Mold shrinkage	ASTM D955		%	0.4 - 0.6	0.4 - 0.6	0.4 - 0.6	0.4 - 0.6	0.4 - 0.6	0.4 - 0.6	0.4 - 0.6	0.4 - 0.6	0.2-0.3
Tensile strength	ISO 527		MPa	53	48	48	54	61	64	60	65	75
Flexural strength	ISO178		MPa	84	79	85	85	96	93	94	94	125
Flexural modulus	ISO178		MPa	2600	2600	2600	2600	2800	2640	2700	2740	6200
Charpy notched impact strength	ISO 179/1eA	23℃	kJ/m ²	20	41	14	15	10	10	9	10	7
Izod notched impact strength	ASTM D256	23℃/6.4mm	J/m	390	290	-	200	150	-	-	-	-
Rockwell hardness	ISO 2039		-	-	-	-	-	-	-	-	-	-
Deflection temperature under load	ISO 75	1.80MPa	℃	81	79	80	79	86	102	80	96	94
	ASTM D648	1.82MPa/12.7mm		92	87	-	85	95	-	-	-	-
Vicat softening temperature	ISO 306/B50	50N,50℃/h	℃	97	93	-	94	101	-	-	-	-
	ASTM D1525	9.8N,50℃/h		-	-	-	-	-	-	-	-	-
Ball pressure registration temperature	-		℃	-	-	-	-	90	-	-	-	-
Coefficient of thermal expansion	ISO 11359		×10 ⁻⁵ /℃	7	7	7	-	-	-	-	-	MD/4 TD/5
Flamability *	UL94		-	V-0/1.5mm 5VB/2.0mm 5VA/2.5mm	V-1/1.8mm V-0/2.5mm 5VA/2.5mm	V-0/1.5mm 5VB/2.0mm 5VA/2.5mm	V-0/1.6mm 5VA/2.5mm	V-0/1.6mm 5VB/2.0mm 5VA/2.5mm	V-0/1.5mm	V-0/1.2mm 5VB/2.0mm 5VA/2.5mm	V-2/0.75mm V-0/1.0mm 5VB/2.0mm	V-2/0.75mm (blk) V-1/1.5mm (blk) V-2/0.75mm (blk)
Dielectric strength	ASTM D149	1.5mm	MV/m	-	-	-	23	21	-	-	-	-
Arc resistance *	ASTM D495	3.0mm	sec (PLC)	-	-	-	106 (6)	118 (6)	-	-	-	-
Water absorption	ISO 62		%	0.3	0.3	0.3	0.3	0.3	-	0.3	-	-
Density	ISO 1183		g/cm ³	1.17	1.16	1.17	1.17	1.17	1.20	1.18	1.19	132

- NOTES
1. UL recognition File No. of Daicel Polymer is E47773.

2. Values with asterisk (*) are UL-recognized values.

3. CF-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.