

Item	Test Method		Unit	VP-A60NT	VP-A70NT	VP-A70ET	VP-A80ET	VP-A90ET	VP-D45ET	VP-D36HT
	Characteristic		-	Standard						High flow
Hardness	JIS K 6253	typeA	point	60	73	70	81	94	97	96
		typeD	〃	-	-	-	-	38	48	37
Specific Gravity	JIS K 7112		-	0.88	0.88	0.88	0.89	0.89	0.89	0.89
Melt Flow Rate	ASTM D 1238	230℃×49N	g/10min	1	0.2	1	1	2	2	84
Tensile strength	JIS K 6251		MPa	4.8	6.2	7.0	8.3	14.5	19.5	9.0
Elongation	〃		%	540	440	520	610	710	830	470
Tear Strength	JIS K 6252		kN/m	25	34	34	51	84	108	77
Rebound resilience	JIS K 6255		%	50	52	47	45	40	40	39
Taber abrasion Test	JIS K 6264	H22×9.8N×1000Cycle	mg	77	296	204	102	123	108	157
Compression Set	JIS K 6262	23℃×24hr	%	36	32	38	35	unmeasurable	unmeasurable	unmeasurable
		70℃×24hr	〃	40	36	40	48	59	58	75
		100℃×24hr	〃	43	31	41	47	66	68	79
Softening Temperature	our method ※1		℃	105	123	127	131	158	162	151
Brittleness Temperature	JIS K 7216		〃	<-60					-45	-40
Mold Shrinkage (Vertical/Flowing directions)	our method ※2		%	1.1/1.6	1.3/1.7	1.3/1.8	1.1/1.4	1.1/1.5	1.0/1.4	1.1/1.2
Molding Method	-		-	Injection ・ Extrusion						Injection
Drying	-		-	unnecessary						
Color	-		-	Natural ・ Black						
Fusion strength	our method	PP	-	○	○	○	○	○	○	○
		ABS	-	×	×	×	×	×	×	×
		PC	-	×	×	×	×	×	×	×
		PET	-	×	×	×	×	×	×	×
		6Ny(PA)	-	×	×	×	×	×	×	×
		PBT	-	×	×	×	×	×	×	×
		POM	-	×	×	×	×	×	×	×

The values shown in the table are representative ones and not guaranteed.
The figures in the table are subject to change without notice.
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※1 Softening temperature measurement method: Vicat softening temperature (at temperature rise rate of 50℃/hour and load of 2.5N) was determined with a needle inserted by 1mm.
※2 Shrinkage : A film gate sheet (126mm x 126mm x 2mm) was formed (at mold temperature of 40℃ and cooling period of 40 seconds) .
※3 This is a grade that is made to order and sold.