

Colorable & Low specific gravity grade VP series (ARVAS / TPV)

ARONKASEI CO., LTD.

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.

Reproduction of this information without our consent is prohibited.

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.