

Low specific gravity & Translucent grade T series (AROSTOMER / TPS)

ARONKASEI CO., LTD.

Item	Test Method		Unit	T-A40NT	T-A50NT	T-A60NT	T-A70NT	T-A80NT	T-A90NT
	Characteristic		-	Standard					
Hardness	JIS K 6253	typeA	point	40	53	59	70	80	85
		typeD	"	-	-	-	-	-	27
Specific Gravity	JIS K 7112		-	0.89	0.89	0.89	0.89	0.89	0.90
Melt Flow Rate	ASTM D 1238	230 × 37.3N	g/10min	3.6	7.8	1.1	3.7	12	3.5
Tensile strength	JIS K 6251		MPa	8.3	11.7	12.4	16.5	19.3	22.2
Elongation	"		%	910	920	850	860	870	890
Tear Strength	JIS K 6252		kN/m	16	22	24	31	42	53
Rebound resilience	JIS K 6255		%	57	54	54	48	43	38
Taber abrasion Test	JIS K 6264	H22 × 9.8N × 1000Cycle	mg	105	122	6	26	27	19
Compression Set	JIS K 6262	23 × 24hr	%	13	16	21	25	27	35
		70 × 24hr	"	33	34	39	46	48	55
		100 × 24hr	"	54	58	62	60	62	63
Softening Temperature	our method 1			66	78	92	113	133	144
Brittleness Temperature	JIS K 7216		"	<-60					
Mold Shrinkage (Vertical/Flowing directions)	our method 2		%	0.6/3.0	0.6/2.7	0.6/2.1	0.9/2.0	0.8/1.6	0.8/1.4
Molding Method	-		-	Injection					
Drying	-		-	unnecessary					
Color	-		-	Translucent					
Haze	JIS K 7136		%	66	75	83	82	87	92
Fusion strength	our method	PP	-						
		ABS	-	x	x	x	x	x	x
		PC	-	x	x	x	x	x	x
		PET	-	x	x	x	x	x	x
		6Ny(PA)	-	x	x	x	x	x	x
		PBT	-	x	x	x	x	x	x
		POM	-	x	x	x	x	x	x

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.