

Trans Cool series

■PHYSICAL PROPERTIES

July 2024

Rubber Elastomer Department

Items	series	Sheet Type : G										
	Base Material	Silicone										Acryle
	Product No. Unit	GT-1	GS-1	GP	GV	GD	GX I	GX II	GX III-1	GX V	GX VI	GNS
Thickness for standard	W/mK	1.5	1.5	1.2	5.0	2.0	1.4	2.2	3.2	5.0	6.0	2.7
Hardness	Asker C	44	44	20	45	27	9	12	30	30	35	28
Volume resistivity	$\Omega \cdot \text{cm}$	1×10^{12}	1×10^{13}	1×10^{14}	1×10^{14}	1×10^{15}	1×10^{14}	1×10^{14}	1×10^{13}	1×10^{13}	1×10^{13}	1×10^9
Breakdown voltage	kV/mm	19	19	10	16	12	7	9	8	10	10	7
UL94 V-0(Flame retardant) registered minimum thickness	mm	0.5	0.5	0.4	0.5	0.4	0.4	0.5	0.5	0.5	0.5	2.0 ^{*1}
Siloxane content Σ D4-D10	ppm	100 or less	100 or less	100 or less	100 or less	100 or less	100 or less	100 or less	100 or less	100 or less	100 or less	Siloxane free
Working temperature range	°C	-40~+150										-40~+80

※ Values in the table are obtained from measurement and not the standard values.

※1 : Thickness 1.0~1.5mm are registered UL94 V-2.

■Specifications

Items	Series	Sheet Type : G										
	Base Material	Silicone										Acryle
	Product No. Unit/Standard	GT-1	GS-1	GP	GV	GD	GX I	GX II	GX III-1	GX V	GX VI	GNS
Thickness	mm/0.5mmpitch	0.5~6.0	0.5~6.0	0.5~6.0	1.0~3.0	0.5~6.0	2.0~6.0	1.0~6.0	1.0~6.0	1.0~3.0	1.0~3.0	1.0~3.0
Size	500mm × 500mm	○	○	○			○(≦3.0t)	○(≦3.0t)	○(≦3.0t)			○
	250mm × 250mm				○	○	○(≧3.5t)	○(≧3.5t)	○(≧3.5t)	○	○	
Colores	3 colores	Gray	Gray	Gray	Gray	Pink	Black	Pink	Gray	Gray	Gray	Gray
Superficiality	Tack × Tack	○			○					○	○	
	Tack × Weak Tack		○				○		○			○
	Tack × No Tack			○		○		○				

※Please contact us when you want products other than the above options.