

Product selection guide by material (○ : Applicable — : Need to be checked × : Not applicable)

Material	Product name	Features	Heat resistance (℃)	Embrittlement temperature (℃)	Color	Hardness	Product type			applications			
							Tube	Round / Square	Made-to-order shape	Science & chemistry / analysis	Roller pump	Food hygiene test compliance	Industrial purpose
Silicone rubber	SR1554	General purpose tube	200	-65	Translucent	54	○	—	—	○	○	○	○
	SR1563	(Midium hardness) tube	200	-65	Translucent	59	○	—	—	○	×	○	○
	SR1573	(High hardness) tube	200	-65	Translucent	70	○	—	—	○	×	○	○
	SR141	(Low hardness) tube·extruded product	200	-65	Translucent	40	○	○	○	○	×	○	○
	SR151	(Midiumhardness) tube·extruded product	200	-65	Translucent	53	○	○	○	○	×	○	○
	SR161	(Midium hardness) tube·extruded product	200	-65	Translucent	58	○	○	○	○	×	○	○
	SR171	(High hardness) tube·extruded product	200	-65	Translucent	70	○	○	○	○	×	○	○
	SR1050	High tear strength tube·extruded product	200	-65	Light yellow	49	○	○	○	○	×	—	○
	SR1055	Roller pump tube	200	-65	Translucent	55	○	—	—	○	○	○	○
	SR1102	Flame retardant tube·extruded product	200	-65	White	59	○	○	○	○	×	—	○
	SR1158	Flame retardant tube·extruded product	200	-65	Gray black	60	○	○	○	○	×	—	○
	SR1260	Steam resistant tube·extruded product	200	-65	Light yellow	70	○	○	○	○	×	—	○
	SR1351	Heat resistant tube·extruded product	200	-65	Dark reddish-brown	48	○	○	○	○	×	—	○
	SR1402	Conductive tube·extruded product	200	-65	Black	68	○	—	○	○	×	—	○
	SR1560	Highly transparent tube	200	-65	Transparent	59	○	—	—	○	—	—	○
	SR2160	Antistatic tube·extruded product	200	-65	Translucent	60	○	—	—	○	×	—	○
	SR210	Low hardness sponge	200	-65	Red	10	○	○	○	○	×	—	○
	SR215	Low hardness sponge	200	-65	Red	15	○	○	○	○	×	—	○
	SR225	(Non-talc) General purpose sponge	200	-65	Red	21	○	○	○	○	×	○	○
	SH25	(Talc processing) General purpose sponge	200	-65	Red	25	○	○	○	○	×	○	○
Fluororubber	FR27	General purpose·extruded product	200	-20	Black	71	○	○	○	○	×	—	○
	FR57	(Low CS) tube·extruded product	200	-20	Black	76	○	○	○	○	—	—	○
	Tiger Flon	Transparent fluoro rubber	180	-58	Transparent	67	○	—	—	○	×	○	○
	FR235	Sponge	200	-9	Black	33	×	○	○	○	×	○	○
Elastomer	P640I	High durability tube	130	-62	Light yellow	63	○	—	—	○	○	○	○
	E640K	High durability tube	130	-62	Black	59	○	—	—	○	○	×	○
	V580C	General purpose tube	70	-40	Transparent	56	○	—	—	○	○	×	○
	V580C-BM	(Environmental impact reduction) General purpose tube	—	—	Transparent	56	○	—	—	○	—	×	○
	T740C	High purity tube	50	-28	Transparent	85	○	—	—	○	○	○	○

Note) The heat-resistant temperature and embrittlement temperature are just guidelines. When using the product, please conduct tests that take into account the conditions of use and check before use.

Note) Hardness is measured by Type A durometer, and only sponge products are measured by Type E durometer.

Note) The test values are for reference only and not standard ones. Subject to change without notice.

Note) P640I and T740C have passed the food hygiene test, but are subject to a transitional measures period.

MediL tube material properties

Product name	Material properties Hardness (type A durometer)	Tensile strength at break		Elongation at break (%)	Tear strength		Compression set (%)	Color	Applicable items	
		MPa	kgf/cm ²		KN/m	kgf/cm			Food hygiene test compliance	RoHS directives (RoHS2)
P640I	63	6.2	63.2	524	27.8	28.4	36※1	Light yellow	○※3、※4	○
E640K	59	7.2	73.4	505	27.3	27.8	36※1	Black		○
V580C	56	15.6	159.1	392	42	42.8	—	Transparent		○
V580C-BM	56	15.9	162.2	435	45.3	46.2	—	Transparent		○
T740C	85	18.0	183.6	957	60.7	61.9	72※2	Transparent	○※3、※4	○

JIS K6250

※1 Compression set is based on test conditions of 100℃ for 168 hours.

※2 Compression set is based on test conditions of 70℃ for 22 hours.

※3 Excluding n-heptane

※4 A positive list system was introduced on June 1, 2020, which allows only substances that have been evaluated for safety to be used in food utensils, containers and packaging.

P640 I and T740C comply with the food hygiene test (Ministry of Health and Welfare Notification No. 370) before the introduction of the above system, but they are not included in the positive list at this time (October 1, 2023).

Therefore, the product is subject to the transitional measures period, but can be used for food applications during the transitional measures period.

Please contact us for further information after the period of transitional measures.

Compliance with the Food Sanitation Act means that the product complies with the positive list or is within the period of transitional measures.

Transitional measures mean that if it can be confirmed that the equipment, containers, and packaging are the same as those that were distributed before the system came into effect, they will be allowed to be distributed for five years after the system comes into effect (until May 2025).

※5 The test values are for reference only and not standard ones. Subject to change without notice.