

## Tubing Selection Guide

Product	Tubing Material	Single Wall	Dual Wall	Highly Flexible	Flexible	Semi-Rigid	Operating Temperature	Size Range	1.2m Lengths	Spools	Flat Spools
<b>ATUM</b>	Polyolefin		•		•		-55°C – +110°C	3mm to 40mm	•	•	
<b>ATUM</b>	Polyolefin		•		•		-55°C – +110°C	4mm to 52mm	•	•	
<b>CGAT</b>	Polyolefin		•		•		-30°C – +80°C	3mm to 39mm	•	•	
<b>CGPT</b>	Polyolefin	•			•		-40°C – +135°C	1.2mm to 102mm		•	
<b>CGPT</b>	Polyolefin	•			•		-40°C – +135°C	1.5mm to 39mm		•	
<b>CR</b>	Neoprene	•		•			-65°C – +95°C	1.2mm to 15mm		•	
<b>DR-25</b>	Elastomer	•			•		-75°C – +150°C	3.2mm to 76mm		•	
<b>DR-25-TW</b>	Elastomer	•		•			-75°C – +150°C	2.4mm to 38mm		•	
<b>HST</b>	PVC	•				•	-20°C – +105°C	1.6mm to 25.4mm		•	
<b>HTAT</b>	Polyolefin		•		•		-55°C – +125°C	4mm to 48mm	•	•	
<b>LSTT</b>	Polyolefin	•			•		-40°C – +125°C	1.6mm to 38mm		•	
<b>RNF-100</b>	Polyolefin	•			•		-55°C – +135°C	1.2mm to 102mm	•	•	•
<b>RNF-3000</b>	Polyolefin	•			•		-55°C – +135°C	1.5mm to 39mm	•	•	
<b>RP-4800</b>	Polyolefin	•				•	-55°C – +110°C	25.4mm to 102mm	•	•	
<b>RT-375</b>	Fluoropolymer	•			•		-55°C – +150°C	1.2mm to 25.4mm		•	
<b>RW-175</b>	Polyvinylidene	•				•	-55°C – +175°C	1.2mm to 25.4mm	•	•	
<b>SCL</b>	Polyolefin		•			•	-55°C – +110°C	3.2mm to 25.4mm	•		
<b>SR</b>	Silicone	•		•			-60°C – +180°C	0.5mm to 10mm		•	
<b>SRFR</b>	Silicone	•		•			-75°C – +200°C	2.9mm to 51mm		•	
<b>STW</b>	PTFE	•		•			-70°C – +260°C	1.27mm to 3.43mm		•	
<b>TFE</b>	Teflon	•				•	-67°C – +250°C	0.8mm to 11.9mm	•		
<b>TFE-R</b>	Teflon	•				•	-67°C – +250°C	2mm to 32mm	•		
<b>TW</b>	PTFE	•			•		-70°C – +260°C	1.27mm to 3.43mm		•	
<b>VERSAFIT</b>	Polyolefin	•		•			-55°C – +135°C	1.2mm to 38mm		•	•
<b>RW-200-E</b>	Fluoropolymer	•			•		-55°C – +200°C	3.2mm to 51mm		•	
<b>Y</b>	PVC	•			•		-40°C – +105°C	2mm to 15mm		•	
<b>ZH-100</b>	Polyolefin	•			•		-30°C – +105°C	3.2mm to 51mm		•	
<b>ZHTM</b>	Polyolefin	•			•		-30°C – +105°C	3mm to 40mm		•	

**Note 1:** SCL shrink ratio varies between 2.5:1 to 4:1. The standard colour for SCL is Black, but one additional colour for each size is also available.

**Note 2:** STW, CR, TW, SR and Y are non-heat-shrinkable tubing.

**Note 3:** Standard pack sizes for all tubing products have been included for your information and ordering reference.

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Cut Pieces	Shrink Ratio	Minimum Shrink Temperature	Full Recovery Temperature	Black Only	Clear Only	Grey Only	Preferred Colours	Non-Preferred Colours	Product Description
•	3:1	+80°C	+110°C	•					Semi flexible, high shrink ratio, adhesive lined tubing
•	4:1	+80°C	+110°C	•					Semi flexible, high shrink ratio, adhesive lined tubing
•	3:1	+80°C	+115°C	•					Commercial grade adhesive lined tubing
•	2:1	+80°C	+120°C				•	•	General purpose, flexible tubing
•	3:1	+80°C	+120°C				•	•	General purpose, high shrink ratio, flexible tubing
•	N/A	N/A	N/A				•	•	Tough and flexible general purpose sleeving
•	2:1	+150°C	+175°C	•					Flexible, chemical & diesel resistant tubing
•	2:1	+150°C	+175°C	•					Flexible, chemical & diesel resistant thin wall tubing
•	2:1	+100°C	+135°C				•		High grade stabilised PVC tubing
•	4:1	+80°C	+110°C	•					Semi flexible, high shrink ratio, adhesive lined tubing
•	2:1	+65°C	+110°C				•	•	Low shrink temperature tubing
•	2:1	+95°C	+121°C				•	•	Premium grade, flexible, flame retarded tubing
•	3:1	+80°C	+120°C				•	•	High shrink ratio, flexible, flame retarded tubing
•	4:1	+95°C	+121°C	•					High shrink ratio, flame retarded tubing
•	2:1	+125°C	+150°C		•				Highly flame retarded flexible tubing
•	2:1	+155°C	+175°C		•				High temp, chemical resistant, semi rigid tubing
•	2.5:1	+125°C	+135°C	•					Semi-rigid encapsulation lined tubing
•	N/A	N/A	N/A				•		Silicone tubing
•	1.7:1	+135°C	+175°C			•			Highly flexible silicone rubber tubing
•	N/A	N/A	N/A				•		PTFE thin wall tubing
•	1.8:1	+260°C	+340°C		•				High temperature, chemical inert tubing
•	3.2:1	+240°C	+340°C		•				High temperature, chemical inert tubing
•	N/A	N/A	N/A				•		PTFE tubing
•	2:1	+70°C	+90°C				•	•	Highly flame retarded flexible, low shrink temp tubing
•	2:1	+100°C	+175°C	•					High temperature, chemical resistant tubing
•	N/A	N/A	N/A				•		General purpose +105°C tubing
•	2:1	+80°C	+120°C				•		Low fire hazard, low toxicity, thin wall tubing
•	2:1	+80°C	+121°C	•					Low fire hazard, low toxicity, flexible tubing

**Note 4:** Preferred colours refer to 0=Black, 2=Red, 4=Yellow, 5=Green, 6=Blue, X=clear.

**Note 5:** Non Preferred colours refer to 1=Brown, 3=Orange, 7=Violet, 8=Grey.

**Note 6:** For further information regarding our cutting and kitting service, or assistance with your specific tubing requirements, please contact **IS-Rayfast**.