

Silicone Extrusions - Flame Retardant / Technical Data Sheet

Properties	Value							Unit
Grade	FR70R	FR770/50W	FR770/60W	FR770/75W	FR50SB2	FR60SB2	FR70SB2	-
Hardness	70	50	60	75	50	60	70	Shore A
Specific Gravity	1.28	1.16	1.52	1.54	1.2	1.2	1.2	g/cm3
Tensile Strength	9.0	9.4	4.1	4.1	10	10	10	N/mm2
Elongation @ Break	270	690	400	220	500	470	440	%
Tear Strength	15	40	15	16	21	21	22	N/mm
Oxygen Index/LOI	35	30	30	35	-	-	-	%
BS6853 Cat 1	Yes	Yes	Yes	Yes	-	-	-	-
UL94V0	3	-	-	-	6	6	6	-
NF F Standard	16 101 / 16 102	-	-	-	-	-	-	-
Temperature Range	-60 to +250	-60 to +250	-60 to +250	-60 to +250	-60 to +250	-60 to +250	-60 to +250	-

Additional Information

- FR70R is developed for mass transit, boasting low smoke and zero halogen properties.
FR70R is a market leading silicone rubber developed for mass transit; it boasts low smoke, zero halogen properties. Smoke Opacity to AFNOR norm NFX10702 Smoke Index : SS.I approx: 6, and Smoke Toxicity to AFNOR norm NFX70100 conventional toxicity index : CIT approx. 2.7.
- The FR770/xxW Range has been tested according to London Underground standards. It has a high temperature index with good mechanical properties and low toxicity combustion products generating low quantity of smoke.
- The FRxxSB2 range is a Flame Retardant grade suitable for extruding complex shapes and other items.

All recommendations and information contained on this data sheet are, to the best of our knowledge, correct. Product specifications are intended as guidelines. Since conditions of service are beyond our control, users must satisfy themselves that products are suitable for the intended use. No guarantee or warranty is given or implied in respect of information or recommendations, or that any use of products will not infringe rights belonging to other parties. We reserve the right to change product design and properties without notification.