



Silicone Extrusions

Technical Data Sheet

Properties	Test Method	Value					Unit
		GP40	GP50	GP60	GP70	GP80	
Grade	-	GP40	GP50	GP60	GP70	GP80	-
Specific Gravity	DIN 53 479A	1.12	1.15	1.14	1.16	1.19	g/cm ³ ± 0.02
Hardness	DIN 53 505	40	50	60	70	80	Shore A ± 5
Tensile Strength	DIN 53 504-S1	9.3	10.4	10.4	10.7	9.6	N/mm ²
Elongation	DIN 53 504-S1	570	500	470	440	350	%
Tear Resistance	ASTM D 624 B	16	21	21	22	21	N/mm
Impact Resistance	DIN 53 512	57	54	58	56	54	%
Compression Set	DIN 53 517 (22hrs @ 175°C)	35	35	35	35	40	%

Additional Information

- Temperature range: -65°C to +200°C.
- USP CLASS VI Approved.
- FDA 177.2600 and BfR XV silicones regulations.
- WRAS - BS6920.
- Flammability information: If tested would fulfil the requirements as laid down by UL standard 94HB.

Silicone Extrusions - High Temperature

Technical Data Sheet

Properties	Value			Unit
	HT40	HT60	HT70	
Grade	HT40	HT60	HT70	-
Specific Gravity	1.12	1.14	1.16	g/cm ³ ± 0.02
Hardness	40	60	70	Shore A ± 5
Tensile Strength	7	8	9.7	MPa
Elongation @ Break	400	355	310	%
Tear Strength	20	20.5	21	kN/m
Modulus at 100%	0.7	1.65	2.6	MPa
Modulus at 300%	3.3	-	-	MPa
Resilience	51	45.5	40	%

Additional Information

- Temperature range: -65°C to +250°C.
- The base material is white and can be pigmented in various colours.