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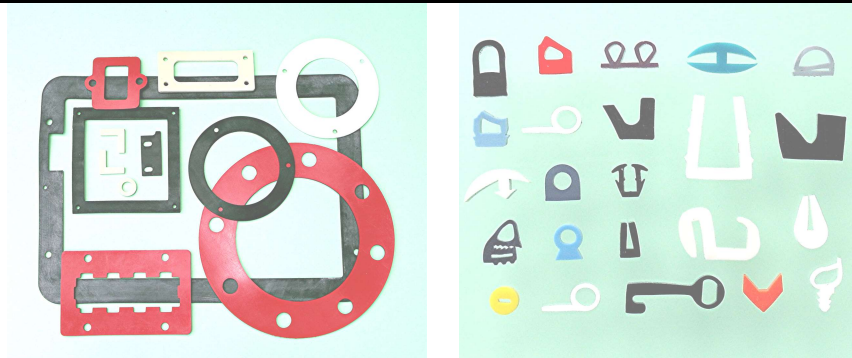
GRADE HT40W TO HT70W - HIGH TEMPERATURE SILICONE RUBBER, 40 - 70 SHORE A

These grades offer well balanced mechanical properties and good hot air resistance, with an operating temperature of up to 300°C these materials are perfectly suited to applications either constantly or intermittently at temperature. These grades can be supplied as complex extruded profiles, tube, cord, strip and gaskets. These grades have good UV resistance. All the ingredients are FDA § 177.2600 compliant and can therefore be used for food contact articles. The base material is white and can be pigmented pale colours.

Temperature Range -60° to +300°C

M: Moulding. E: Extrusion

Process			E	M	E	M	E	M	E	M
Grades			HT40W		HT50W		HT60W		HT70W	
Specific Gravity	DIN 53 479A	g/cm ³ ± 0.02	1.12		1.15		1.15		1.18	
Hardness	DIN 53 505	Shore A ± 5	40	40	50	50	60	60	70	70
Tensile Strength	DIN53504-S1	N/mm ²	10	11	11	12	11	11	11	11
Elongation	DIN53504-S1	%	580	780	520	637	440	530	440	530
Tear Resistance	ASTM D 624 B	N/mm	23	28	25	29	24	26	26	31
Rebound Resilience	DIN 53 512	%	56	53	56	53	57	56	53	51
Compression Set	DIN 53517 22 h/175° C	%	36	16	34	17	31	16	40	22



Flammability Information: If tested, The HTxxW range would fulfil the requirements as laid down by UL standard 94HB

Failure to select the correct materials or products can result in damage to plant and equipment and personal injury. In specific applications, particularly where critical conditions exist, we suggest you contact us and we will consider with you the most suitable material or product. However, information supplied by William Johnston & Company Limited is intended only as technical co-operation and as a guide to the various uses of different products. No warranty is given in respect of information or recommendations by William Johnston & Company Limited which are only given for guidance and without any guarantee. The customer must satisfy themselves on the suitability of the material or product for the intended purpose. The correct fitting of products is the responsibility of the customer.