



New Metals & Chemicals Ltd

NEWMET SOLID SILICONE EXTRUSIONS PROPERTIES

PROPERTY	UNITS	TEST METHOD	NMSSE40		NMSSE50		NMSSE60		NMSSE70	
			Specification Limits	Typical Values	Specification Limits	Typical Values	Specification Limits	Typical Values	Specification Limits	Typical Values
Hardness	Shore A	ASTM D2240	40±5	40	50±5	50	60±5	60	70±5	70
Tensile Strength	MPa	BS 903 pt A2	4.0 min.	7.0	5.5 min.	8.0	5.5 min.	7.9	5.5 min.	7.6
Elongation to Failure	%	BS 903 pt A2	300 min.	450	250 min.	370	250 min.	340	200 min.	320
Tear Strength	N/mm	BS 903 pt A3 Die C	8.5 min.	10.2	10.0 min	12.8	12.5 min	14.2	12.5 min	14.4
Compression Set 24 hrs @ 150°C	%	DIN 53517 type II	35 max.	25	30 max.	15	30 max.	9	30 max.	19

Our NMSSE range of solid silicone is available as extruded parts. Colour matching is available.
Our FR grades have been tested to ABD 0031 and FAR 25-853 vertical and horizontal fire tests.
NMSSE silicone foam operates between -60 degrees C and + 200 degrees C.
Adhesive backed sheets, tapes and gaskets are available as well as jointed O rings.

For details of other properties and to request samples, please contact our sales office.