


SILICONE GRADES - GENERAL PURPOSE

Grade	Polymer Type [base]	Colour	Hardness Shore 'A' ± 5°	Density SG	Tensile Strength Mpa [polymer]	Elongation At Break %	Abrasion Resistance mm ³	Compression Set 70° C for 22 hours - %	High-Low Temperature ° C	Specification Description
140	Silicone	Red	60	1.2	6.0	300	-	40	-60/+200	GP Non Toxic Silicone
141	Silicone	White	60	1.2	6.0	300	-	40	-60/+200	GP Non Toxic Silicone
14101	Silicone	White	45	1.2	7.5	400	-	40	-60/+200	GP Non Toxic Silicone
14102	Silicone	Black	45	1.2	7.5	400	-	40	-60/+200	GP Non Toxic Silicone
143	Silicone	Translucent	50	1.2	6.0	320	-	40	-60/+200	GP Non Toxic Silicone
144	Silicone	Blue	50	1.2	6.0	320	-	40	-60/+200	GP Non Toxic Silicone

SILICONE GRADES - FDA APPROVED MATERIALS


Grade	Polymer Type [base]	Colour	Hardness Shore 'A' ± 5°	Density SG	Tensile Strength Mpa [polymer]	Elongation At Break %	Abrasion Resistance mm ³	Compression Set 70° C for 22 hours - %	High-Low Temperature ° C	Specification Description
14004	Silicone	Red	60	1.2	6.0	300	-	40	-60/+200	FDA Approved
14104	Silicone	White	60	1.2	6.0	300	-	40	-60/+200	FDA Approved
14304	Silicone	Translucent	50	1.2	6.0	320	-	40	-60/+200	FDA Approved
14404	Silicone	Blue	50	1.2	6.0	320	-	40	-60/+200	FDA Approved

FOOD & DRINK QUALITY GRADES - FDA APPROVED


Grade	Polymer Type [base]	Colour	Hardness Shore 'A' ± 5°	Density SG	Tensile Strength Mpa [polymer]	Elongation At Break %	Abrasion Resistance mm ³	Compression Set 70° C for 22 hours - %	High-Low Temperature ° C	Specification Description
136	SBR	White	60	1.5	6.0	200	-	35	-20/+70	FDA Approved
137	NBR	White	60	1.4	6.0	350	-	30	-20/+110	FDA Approved
162	CR	White	65	1.45	5.0	250	-	30	-25/+125	FDA Approved
163	EPDM	White	60	1.30	5.0	300	-	35	-25/+140	FDA Approved
166	NBR	Blue	60	1.4	6.0	350	-	40	-20/+100	FDA Approved
14105	SILICONE	White	60	1.2	4.9	350	-	40	-60/+200	WRAS Approved

WRAS APPROVED EPDM GRADE SUITABLE FOR HOT & COLD POTABLE [DRINKING WATER] APPLICATIONS AND SERVICE


Grade	Polymer Type [base]	Colour	Hardness Shore 'A' ± 5°	Density SG	Tensile Strength Mpa [polymer]	Elongation At Break %	Abrasion Resistance mm ³	Compression Set 70° C for 22 hours - %	High-Low Temperature ° C	Specification Description
177	EPDM	Black	70	1.13	11.0	320	-	8	-40/+100	WRAS Approved Approval No: 0907547 Potable Water Grade

On many of the above sheetings we can offer the additional properties of:-

- Finish** A variety of patterned or fabric impression surfaces
- Fabric Insertion** Light or Heavy Duty fabric layer Reinforcements
- Variations** Additional or intermediate physical characteristics

All of the above sheetings are manufacture from top quality virgin materials and ingredients meeting high standard of performance.

Other than standard stock materials they can be supplied in a variety of colours, thickness and sheet / roll size formats [up to 2000mm wide] and we would be please to offer for any special or custom requirements you may have.



Grade	1.0mm	1.5mm	2.0mm	2.5mm	3.0mm	4.0mm	5.0mm	6.0mm	8.0mm	10.0mm	12.0mm	15.0mm	20.0mm	25.0mm	30.0mm	40.0mm	50.0mm
140					✓	✓	✓	✓		✓							
141					✓	✓	✓	✓		✓							
14101		✓			✓		✓	✓									
14102		✓			✓		✓	✓									
143					✓	✓	✓	✓		✓							
144																	

SILICONE GRADES - FDA APPROVED MATERIALS

Grade	1.0mm	1.5mm	2.0mm	2.5mm	3.0mm	4.0mm	5.0mm	6.0mm	8.0mm	10.0mm	12.0mm	15.0mm	20.0mm	25.0mm	30.0mm	40.0mm	50.0mm
14004	✓	✓	✓		✓	✓	✓	✓		✓							
14104	✓	✓	✓		✓	✓	✓	✓		✓							
14304	✓	✓	✓		✓	✓	✓	✓		✓							
14404	✓	✓			✓		✓	✓									

OTHER GRADES - FDA APPROVED MATERIALS

Grade	1.0mm	1.5mm	2.0mm	2.5mm	3.0mm	4.0mm	5.0mm	6.0mm	8.0mm	10.0mm	12.0mm	15.0mm	20.0mm	25.0mm	30.0mm	40.0mm	50.0mm
136	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓							
137	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓						
162	✓	✓			✓		✓	✓									
163	✓	✓			✓		✓	✓									
166		✓			✓			✓									
14105					✓												

EPDM WRAS APPROVED GRADE

Grade	1.0mm	1.5mm	2.0mm	2.5mm	3.0mm	4.0mm	5.0mm	6.0mm	8.0mm	10.0mm	12.0mm	15.0mm	20.0mm	25.0mm	30.0mm	40.0mm	50.0mm
177		✓			✓		✓	✓									

Additional Product Information

Stock Standard Roll Sizes:-	Length	Width	Length	Tolerance		Thickness	Hardness
				Width	Width		
1.0mm to 2.0mm-	20m	Various	± 5 %	± 3 %	± 20%	± 5°	
2.5mm to 6.0mm-	10m	Various	± 5 %	± 3 %	± 15%	± 5°	
8.0mm to 25.0mm-	5m	Various	± 5 %	± 3 %	± 10%	± 5°	
Over 25mm -	2m	Various	± 5 %	± 3 %	± 10%	± 5°	

Part Rolls:-

Although we offer a part roll cutting service on food grade materials a surcharge of 50% would apply [or minimum £20.00] to additional costs in ensuring material is kept in a clean state but we cannot guarantee complete omission of impurities.

Note: A small proportion of full rolls may be supplied in two parts unless otherwise stated when ordering.

Carriage Terms:-

Carriage paid on our standard stock products for items sent from individual branches and sent via our economy transport system allowing 3-7 days for delivery. Surcharges applicable for next day or timed deliveries. For timed delivery failures credits can only be made of cost differentials.

Above terms are subject to a minimum invoice value of £100.00 - combined stock products [sheet and matting only] orders acceptable.

Surface Finishes

The majority of items are stocked with a smooth finish on both sides but we do hold limited stocks in certain grades with a fine fabric impression [cloth finish] both on one side and both sides. We are also able to offer to special order a range of finishes with varying degrees of pattern - details available on application. Materials with fabric impression surfaces may be subject to additional costs - details available upon request.

PLEASE REFER TO LATEST TECHNICAL DATA SHEETS FOR REFERENCE