VIKING EXTRUSIONS LTD

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# VMD45-75
## Metal Detectable Silicone Rubber

## Product Description

VMD45 – VMD75 are specially designed metal detectable grades of silicone rubber, with an excellent all round blend of physical properties. Suitable for extrusion or moulding.

## Product Features

- Colour: Blue
- Good mechanical properties
- Excellent resistance to UV ageing
- Service temperature range -55°C to +200°C

## Typical Physical Properties

**Cure conditions: 1.5% (50% paste of bis (2,4-dichlorobenzoyl)-peroxide in silicone fluid), 10 mins/115°C in press, post-cured 4h/200°C.**

| Property | Standard | Units | VMD45 | VMD75 |
|---|---|---|---|---|
| Shore Hardness | DIN 53505 | Shore A | 45 | 75 |
| Elongation at Break | DIN 533504 S 1 | % | 500 | 360 |
| Tensile Strength | DIN 533504 S 1 | N/mm$^2$ | 9.2 | 8.9 |
| Tear Strength | ASTM D 624 B | N/mm | 21 | 23 |
| Specific Gravity | ISO 1183-1 A | g/cm$^3$ | 1.26 | 1.35 |

These figures are only intended as a guide and should not be used in preparing specifications.

All raw materials are approved for food contact use in FDA regulation FDA 21 CFR 177.2600 "Rubber articles intended for repeated use". The manufacturer of the finished component is responsible for complying with the regulations.  The finished components should be post-cured for 4 hours at 200°C.

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ISO 9001
Quality
Management
Systems
CERTIFIED

ISO 14001
Environmental
Management
CERTIFIED

FM 40230          EMS 769212