

Guide formulation - page 1 of 2

AUTOMOTIVE INDUSTRY**Profile, solid, black****Weatherstrip****55 Shore A, EPDM, sulfur cure / CV cure
Specification VW TL 520**

| Guide formulation of Exxon | | RRS 14 |
|---------------------------------------|-------------------|--------|
| Vistalon 3666 | | 175.00 |
| SRF N-774 | | 130.00 |
| SILLITIN Z 86 | | 100.00 |
| Grundöl AP/E Core 600 (ex Flexon 876) | | 45.00 |
| Zinc oxide | | 10.00 |
| Stearic acid | | 1.50 |
| PEG 4000 | | 2.00 |
| Calcium oxide 80 % | | 10.00 |
| Sulfur | | 1.00 |
| MBT | | 1.50 |
| TMTD | | 0.75 |
| ZDMC | | 0.75 |
| DPTT | | 0.75 |
| TDEC | | 0.75 |
| Total phr | | 479.00 |
| Density | g/cm ³ | 1.25 |
| ODR, 200°C | | |
| ML, minimum | dNm | 13 |
| MH, maximum | dNm | 59 |
| ts ₂ | min | 0.5 |
| tc ₉₀ | min | 1.1 |

Our applications engineering advice and the information contained in this formulation are based on experience and are made to the best of our knowledge and belief, they must be regarded however as non-binding advice without guarantee. Working and employment conditions over which we have no control exclude any damage claim arising from the use of our data and recommendations. Furthermore we cannot assume any responsibility for patent infringements, which might result from the use of our information.

VM-7/0183/01.2011

| Physical properties | | | VW Spec. | |
|-----------------------------------|----|---------|-----------------|-------|
| Hot air cure 8 min @ 200°C | | | | |
| Hardness | | Shore A | 56 | 55-65 |
| Modulus 100 % | | MPa | 2.6 | > 2.3 |
| Tensile strength | | MPa | 8.5 | > 8 |
| Elongation at break | | % | 380 | > 250 |
| Compression set | | | | |
| 100 h @ 70°C, 5 s | VW | % | 35 | < 55 |
| 100 h @ 70°C, 60 min | VW | | 35 | < 40 |
| Air aging, 7 d @ 100°C | | | | |
| Δ Hardness | | Shore A | +6 | < 7 |
| Tensile strength | | MPa | 8.2 | > 8 |
| Elongation at break | | % | 265 | > 250 |

Our applications engineering advice and the information contained in this formulation are based on experience and are made to the best of our knowledge and belief, they must be regarded however as non-binding advice without guarantee. Working and employment conditions over which we have no control exclude any damage claim arising from the use of our data and recommendations. Furthermore we cannot assume any responsibility for patent infringements, which might result from the use of our information.

VM-7/0183/01.2011