

# Z282

## VMQ 70 RED

## RAL 3016 FDA

REV. 3

### General Application

#### Temperature Range

From -60°C  
To 200°C

### General Environmental Application

Mineral Oils  
Food  
Low Temperatures  
High Temperatures  
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### Compliances

FDA cfr 21

### Note

\* Oil SHELL SPIRAX S4 CX  
10W 168h @100°C

### Disclaimer

Tests performed on test slabs. Temperatures, applications and indications are meant as basic suggestions and valid for static applications with no other specific media and or conditions.

## PHYSICAL AND MECHANICAL PROPERTIES

| Property          | Test STD     | Unit              | Value       |
|-------------------|--------------|-------------------|-------------|
| Density           | ASTMD-297    | g/cm <sup>3</sup> | 1.33 ± 0,03 |
| Hardness          | ASTMD-2240   | ShA               | 70 ± 5      |
| Tensile Strength  | DIN 53504-S2 | N/mm <sup>2</sup> | >6          |
| Elongation        | DIN 53504-S2 | %                 | >300        |
| Tear resistance   | ASTM D624B   | N/mm              | >11         |
| TR 10             | ASTM D1329   | °C                | <-50        |
| Brittle Point     | ISO812       | °C                | <-60        |
| C. Set 24h @175°C | ISO 815-1A   | %                 | <11         |
| C. Set 70h @175°C | ASTM D395B   | %                 | <21         |

## AGEING PROPERTIES

| Environment           | Test STD                | Unit | Value |
|-----------------------|-------------------------|------|-------|
| SHELL Oil*            | ISO 1817                |      |       |
|                       | <i>Hardness Change</i>  | ShA  | -8    |
|                       | <i>Tensile Strength</i> | %    | +4    |
|                       | <i>Elongation</i>       | %    | +4    |
|                       | <i>Volume</i>           | %    | +4.5  |
|                       | <i>Weigth</i>           | %    | +3.5  |
| Air 70h @200°C        | ASTM D573               |      |       |
|                       | <i>Hardness Change</i>  | ShA  | +3    |
|                       | <i>Tensile Strength</i> | %    | -5    |
|                       | <i>Elongation</i>       | %    | -10   |
|                       | <i>Volume</i>           | %    |       |
|                       | <i>Weigth</i>           | %    |       |
| Oil ASTM 1 70h @150°C | ASTM D471               |      |       |
|                       | <i>Hardness Change</i>  | ShA  | -10   |
|                       | <i>Tensile Strength</i> | %    | -32   |
|                       | <i>Elongation</i>       | %    | -30   |
|                       | <i>Volume</i>           | %    | +12   |
|                       | <i>Weigth</i>           | %    |       |
| ---                   |                         |      |       |
|                       | <i>Hardness Change</i>  | ShA  |       |
|                       | <i>Tensile Strength</i> | %    |       |
|                       | <i>Elongation</i>       | %    |       |
|                       | <i>Volume</i>           | %    |       |

