

# PERTEC® UP VMQ



In many industries the requirements for high tech materials become more and more demanding. Where the automotive industry has a great need for low permeability and good abrasion resistance, the oil drilling industry demands high elongation and hardness and for the electronic and food industry FDA compliance and low release of metal ions is essential. Staying competitive means keeping up with the newest technology and adapt to the according new challenges.

Angst+Pfister developed and produced with PERTEC® UP VMQ, UP meaning „Ultra Pure“, a new high tech compound within the PERTEC® family that is especially designed for applications where the pureness of the material is absolutely essential.

This is especially the case within the food, pharma and medical industry where the human health can directly be affected. Therefore in those areas only material can be used that does not emit any substances or material that can contaminate its surroundings. To guarantee health compatibility all materials need to comply with numerous international regulations.

The formulation of this outstanding compound was accordingly defined respecting almost all food contact regulations worldwide. All used substances are listed in European and US food regulations.

## Features

- Good mechanical properties within the wide temperature range of -60 up to +200°C
- Complies with almost all food contact regulations worldwide
- For static and dynamic applications

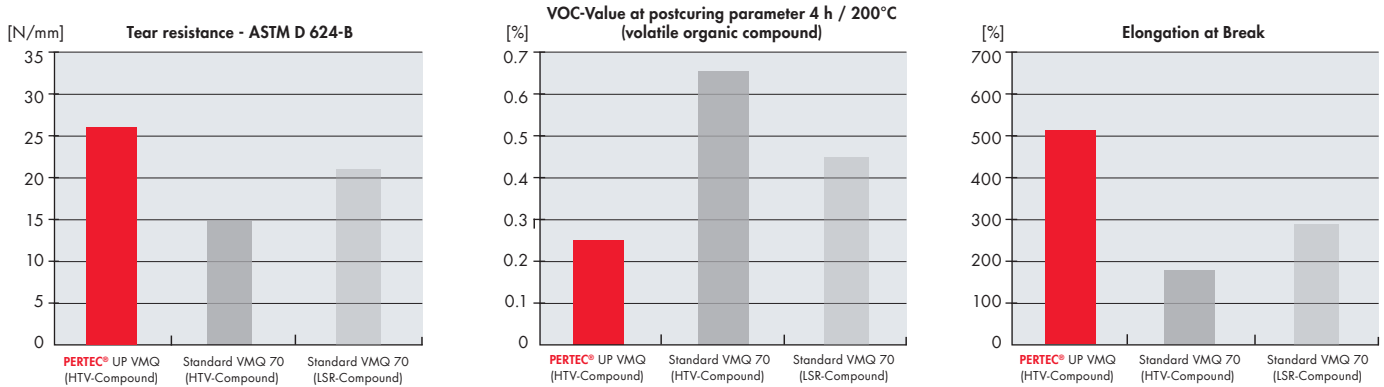
## Benefits

- High purity
- Good mechanical properties
- Broad chemical resistance
- High elongation
- Low VOC value

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## PERTEC® UP VMQ performance\*





\*This information is based on our available data. These values are measured on standard test specimens and are within the normal tolerance range of material properties and do not represent guaranteed property values. Therefore they shall not be used for specification purposes.

## Certificates

PERTEC® UP VMQ complies with almost all food contact, pharma and medical regulations worldwide.

3-A Sanitary Standard Number 18-03 Class I	PAH Category 1 (AfPS GS 2014:01)
ADI free	PAHs requirements according Regulation (EU) No 1272/2013
BfR XV (Silicone)	Phthalate free
D.M. 21/03/1973	SR 817.023.21
Dlgs. 25.01.1992 n.108 Art. 2 Porte D	USP Class VI Chapter 87 and Chapter 88, 121°C
DVGW EN 549 D2/H3	
DVGW W 270	
EC 1935/2004 article 3	
FDA - CFR 21 - 177.2600 food a) - f)	
French Arrêté 25/11/1992 (migration test)	
GB 4806.1-2016	
GB 9685-2016	
GB 4806.11-2016	
GMC/RES. N° 28/99	
KIWA NSF/ANSI 51 formulation	
KTW Guideline cold water (23 °C) and hot water (85 °C)	
LFGB § 30/31	

Moreover due to the high purity of the material also many other regulations can be fulfilled like for example NSF 61 for drinking water or WRAS (BS 6920).

Industries/Segments					Typical Products
Pharma 	Chemical 	Food & Beverage 	Medical 	Drinking water 	O-rings Moulded parts Membranes