Angst+Pfister

Elastomer compounds for coffee machines

In coffee machines seals are exposed to high strain. On the one hand the seals have to resist high temperatures and pressures in static and dynamic applications in hot water, steam, greasy media and liquid descaler. On the other hand the seals require many different approvals for drinking water and food. Therefore very high requirements that demand for high-performance products.

Angst+Pfister supplies elastomer compound solutions for moulded parts and O-ring that meet those high requirements.

We have the material expertise, contact us for your development requirements.

Performance	Material	Properties	Approvals *
Highest purity with extreme good mechanical properties	**PERTEC® UP EPDM 70.503-04** EPDM elastomer, peroxide cross-linked, approx. 70 Shore A, black	• suitable for many CIP/SIP applications • specially designed for food applications • all relevant food approvals (positive list and migration)	
Highest purity with extreme good mechanical properties	**PERTEC® UP EPDM 80.503-01** EPDM elastomer, peroxide cross-linked, approx. 80 Shore A, black	• suitable for many CIP/SIP applications • specially designed for food applications • all relevant food approvals (positive list and migration)	
Highest purity under extreme conditions	**PERTEC® UP FKM 70.501-07A** Fluorine elastomer, peroxide cross-linked, approx. 70 Shore A, black	• compliant with a wide range of approvals • very good chemical resistance • high temperature resistance up to +200°C	
Elasticity for highest stress requirements	**PERTEC® UP VMQ 50.501-02** Silicone elastomer, peroxide cross-linked, approx. 50 Shore A, transluscent	• compliant with a wide range of approvals • very good chemical resistance • large temperature range of -60°C up to +200°C	
Elasticity for highest stress requirements	**PERTEC® UP VMQ 70.501-01** Silicone elastomer, peroxide cross-linked, approx. 70 Shore A, transluscent	• compliant with a wide range of approvals • very good chemical resistance • large temperature range of -60°C up to +200°C	
With more than 23 approvals for many applications and available as standard	**HITEC® DW EPDM 70.503-00** EPDM elastomer, peroxide cross-linked, approx. 70 Shore A, black	• O-rings in many sizes available from stock • suitable for many CIP/SIP applications • specially designed for food applications • many approvals	
Standard material with good mechanical properties	**HITEC® FKM 75.16-04** Fluorine elastomer, bisphenolic cross-linked, approx. 70 Shore A, black	• O-rings in many sizes available from stock • very good chemical resistance • high temperature resistance up to +200°C	
Standard material with good mechanical properties	**HITEC® VMQ 70.10-01** Silicone elastomer, peroxide cross-linked, approx. 70 Shore A, red-brown	• O-rings in many sizes available from stock • very good chemical resistance • large temperature range of -60°C up to +200°C	

Interesting new materials like PERTEC® UP HNBR, PERTEC® UP NBR and PERTEC® CIP FKM successors are about to be launched on the market. Ask our technical support for more information.

* For more details please request the technical data sheets of our compounds. Contact us for support to find your specific solution for your individual requirements.

Our contact details

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