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 applictions 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-rings that meet those high requirements.

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

Performance	Material	Properties	Approvals *
Highest purity under extreme conditions	**PERTEC® UP FKM 70.501-07** 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	3-A, ADI free, BfR, EC 1935, DVGW W270, FDA, French Arrete, GB 4806.11, LFGB, NSF 51, PAH Category 1, Phthalate free, SR, UBA
Elasticity for highest stress requirements	**PERTEC® UP VMQ 70.501-01** Silicone elastomer, peroxide cross-linked approx. 70 Shore A, transparent	• compliant with a wide range of approvals • very good chemical resistance • large temperature range of -60°C – +200°C	3-A, ADI free, BfR, D.M., DPR, DVGW EN549+W270, EC 1935, FDA, French Arrete, GB 4806.11+4806.1+9685, GMC, KTW, LFGB, NSF 51, PAH Class 1, Phthalate free, SR, USP Class VI
Highest chemical resistance for CIP/SIP and low friction	**PERTEC® CIP FKM 75.501-04** Fluorine elastomer, peroxide cross-linked approx. 75 Shore A, blue	• suitable for many «Cleaning in Place» (CIP) and «Sterilization in Place» (SIP) applications • temperature resistance up to +200°C • broad chemical resistance	3-A, ADI free, BfR, EC 1935, FDA, French Arrete, GB 4806.11, LFGB, NSF 51, PAH Category 1, Phthalate free, SR, USP Class VI
Our standard for high requirements	**HITEC® VMQ 70.10-01** Silicone elastomer, peroxide cross-linked approx. 70 Shore A, red-brown	• broad chemical resistance • high temperature range from -50°C – +200°C • O-rings in many sizes available from stock	3-A, ADI free, D.M., DVGW EN549, EC 1935, FDA, GB 4806.11, PAH Category 1, USP Class VI
With more than 20 approvals for many applications and available as standard	**HITEC® EPDM 70.10-02** EPDM elastomer, peroxide cross-linked approx. 75 Shore A, black	• suitable for many CIP/SIP applications • specially for food and drinking water applications • many approvals • O-rings in many sizes available from stock	3-A, ACS, ADI free, AS/NZS, BfR, D.M., DVGW EN681+W270+W534, EC 1935, FDA, French Arrete, GB 4806.11, KIWA, NSF 51+61, ÖNORM, UBA, USP Class VI, WRAS
Good price-performance ratio with many approvals by low requirements	**HITEC® NBR 70.10-02** NBR elastomer, sulphur cross-linked approx. 75 Shore A, black	• very good resistance against oil and grease • many approvals • suitable for food and drinking water applications • O-rings in many sizes available from stock	ACS, ADI free, CLP, D.M., DVGW EN549+W270, EC 1935, FDA, GB 4806.11, NSF 61, ÖNORM, UBA, WRAS

* 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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