



FEP Encapsulated EPDM Black FDA USP Class VI 3-A

FEPE

FEP O-rings are made up of an elastomer energising core encapsulated in a seamless jacket made from fluorinated ethylene propylene. Designed for use in static applications such as in pumps. Resistant to almost all chemicals, liquids and gases. FEP also has low compression set properties. Temperature resistance with a silicone core is -60°C to +204°C and with a Viton core -20°C to +204°C. Many standard sizes are available with very short lead times and

almost any size O-ring can be produced with a fast turnaround. Complies with FDA, USP Class VI, EC1935/2004, 3A and ADI-free.

Colour: Black

Operating Temperature range: -20°C to +204°C

Physical Property	Test Method	Unit	Typical Values
Hardness	ASTM D2240	MPa	30
Tensile Strength	ASTM D638	%	300
Elongation	ASTM D638	MPa	655
Modulus at 100%	ASTM D790	g/cm ³	2.15
Specific Gravity	ASTM D792		

Approvals/Special Features:

FDA

USP Class VI

3-A