YOSON
SEALING SOLUTIONS

Yoson Seals Company

Material Data Sheets of FFKM 7075

Material Type: Black perfluoroethers rubber compound, hardness Shore A 70-80.

Material Features: Bestfluor 7075 has excellent chemical resistance, good mechanical properties and excellent heat resistance, chemical resistance, and it is widely used in media, including various acids, bases, amines, steam, ethylene oxide, and the so on. Its products can play a role in industrial solvents and corrosive chemicals and electronic grade working condition.

Maximum temperature: +325 ℃

Applications: Bestfluor 7075 used in chemical, petrochemical, semiconductor, pharmaceutical, oil and gas exploration, aerospace and other fields.

Physical Properties

performance specification	unit	Original Properties	Value
Density	g/cm3	ASTM D-792	1.99
Hardness Shore A	pt	ASTM D-2240	75
Tensile Strength	MPa	ASTM D-412	17.5
Modulus 100%	MPa	ASTM D-412	9.3
Elongation at break	%	ASTM D-412	202
Compression set， 70hr@300℃ O-Ring	%	ASTM D-395	33

Chemical resistance

Immersion chemicals	FFKM 7075
Inorganic acid	A
Organic acids	A
Base	A
Alcohol	A
Aldehyde	A
Amine (room temperature)	A
Amine (> 70 degrees)	B
Ether	A
Ester	A
Ketone	A
Steam / hot water	A
Strong oxidizers	B
Alkanes	A
Tetrahydrofuran	A

Note: A volume change rate <10%

B volume change rate <20% ~ 30%

C the volume change rate <30% ~ 50%

D volume change rate> 50%