

High Performance Seal Division

610-603-7525



619 FRANKLIN STREET, WEST READING, PA 19611
T: 610-603-7525 F: 610-603-7559 E: INFO@PTIPRO.COM

Extreme Low Temperature FKM High Performance Seal Compound No. 6090

**90 Durometer compound specifically formulated
for Chemical resistance and extreme low temperature performance**

Low temperature performance of an elastomeric compound is an extremely important characteristic for sealing applications subjected to extreme temperature conditions. Typically when materials are compounded to improve low temperature performance, some important sealing characteristics are sacrificed. This is not the case for compound No. 6090. It retains its sealing properties at -65° F and this is accomplished without reducing high temperature capabilities. Compound No. 6090 also provides excellent resistance to a broad range of chemicals.

PRODUCT FEATURES

- **Wide Temperature Range -65° F to 450°F**
- **Excellent FKM Chemical Resistance**
- **Extreme Low Temperature Capability**
- **Good Compression Set Resistance**

Compound 6075 is available in all standard AS 568 O-Ring sizes.

TYPICAL PROPERTIES

Physical Properties	ASTM Method	Typical Value
Color		Black
Hardness, Shore A. Points	D2240	90
Ultimate Elongation %	D1414	123
Modulus @ 50% Elongation, Psi	D1414	410
Modulus @ 100% Elongation, Psi	D1414	1210
Tensile Strength @ Break, psi	D1412	1739
Service Temperature Range, °F		-65°F to 450°F
Service Temperature Range, °C		-54°C to 232°C
Low Temperature Retraction TR-10	D1329	-51°F / -46°C
Compression Set @ 25% Deflection 70 Hours @ 400°F/204°C, in Air, % of original deflection	D395 Method B	30%

Unless otherwise noted all tests conducted on AS 56A (-214) O-Rings

Prior to actual use it is highly recommended that suitable tests be run to determine this product's suitability in a specific application. This is critical where failure could result in injury or damage.