

Phone: 1-877-774-7325 Toll Free  
 In CT: (860) 282-9100, Fax: (860) 282-9001

# TECHNICAL BULLETIN **FFKM** **Compounds**

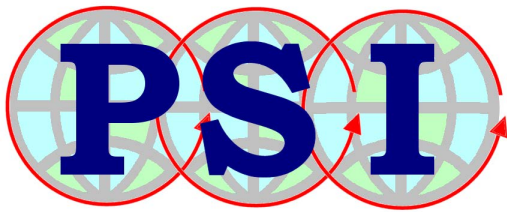
## Pressure Seals, Inc. Perfluoroelastomer (FFKM) Compounds

Compound No.	Duro <sup>1</sup>	Color	Temperature Range <sup>2</sup> °C °F	Applications/Properties
<b>34751</b>	70	Orange	-10° - +220° +14° - +428°	Custom colors available
<b>34760</b>	70	Black	-10° - +220° +14° - +428°	Chemical Resistant
<b>34765</b>	70	White	-10° - +230° +14° - +446°	FDA Compliant
<b>434725</b>	70	White	-10° - +230° +14° - +446°	UPS Class 6 Medical Grade (FDA) Similar to SZ484 (Black)
<b>34703</b>	75	Black	-40° - +230° -40° - +446°	Actual TR-10 value is -34°C Similar to SZ481(71 duro)
<b>34740</b>	75	Black	-10° - +215° +14° - +419°	Best Steam Resistance—not extreme heat Similar to Simriz® SZ485 (+230°C)
<b>34744</b>	75	Black	-10° - +230° +14° - +446°	FDA Compliant
<b>34795</b>	75	Black	-10° - +300° +14° - +572°	Steam Resistant & High Heat Resistant Similar to Kalrez® 1050LF (+288°C)
<b>34860</b>	75	Black	-10° - +220° +14° - +428°	General Use—Chemical Resistant Not for use in steam Similar to Simriz SZ485 (+230°C) Kalrez 6375 (+275°C)
<b>34831</b>	80	Black	-10° - +300° +14° - +572°	Heat Resistant—No steam Similar to SZ487 (+310°C) Kalrez 4079 (+316°C)
<b>34931</b>	90	Black	-10° - +300° +14° - +572°	High Heat Resistant—No Steam
<b>34940</b>	90	Black	-10° - +215° +14° - +419°	Steam Resistant
<b>34960</b>	90	Black	-10° - +220° +14° - +428°	Chemical Resistant
<b>34995</b>	90	Black	-10° - +300° +14° - +572°	Steam Resistant & High Heat Resistant

1 Shore A Duro +/- 5

2 Actual temperature performance will vary based on operating conditions and seal design.

Material data sheets are available upon request.



**P-REX™**  
Perfluoroelastomer

Today's rubber seals are required to perform in extreme conditions; sealing harsh chemicals at progressively higher temperatures.

P-REX Perfluoroelastomers (FFKM) are often the best option for reliability, longevity, and economy for seals in this type of environment.

Pressure Seals, a leader in precision molded rubber seals, distributes several compounds for use in a variety of industries, including chemical processing, food processing, and petroleum refining. A USP VI version molded in our Class 7 Clean Room is available for pharmaceutical and medical devices.

PSI's proprietary molding process allows us to produce smaller molded seals in shapes that are not possible with other molding methods. Many of our existing tools can be used to manufacture FFKM products. We successfully mold P-REX™ X-Rings and other complex shapes requiring undercuts that are not readily produced by other manufacturers.

With our on-site tool shop, we can quote a custom seal to your specifications.

#### Typical concerns:

- Acids
- Amines
- Bases
- Plasma
- High Heat

#### Desirable properties:

- Minimized swelling in a broad range of chemicals
- Resistance to embrittlement
- Good compression set
- Low to no metal ion extractables

Contact us for assistance with any application specific questions.



**Precision Molded  
Rubber Seals for  
Extreme Environments**