



Precision Polymer Engineering

PERLAST®

SUPER-SIX FFKM Material Grades



PERLAST®

A family of six Perlast® perfluoroelastomers (FFKM) for the most critical industrial applications, providing:



Extreme Hot To Cold
Temperature Capability:
+350 °C to -46 °C



Excellent Chemical
Resistance



Outstanding
Mechanical Properties



FDA, USP Class VI, 3A
18-03 Compliance



Rapid Gas
Decompression

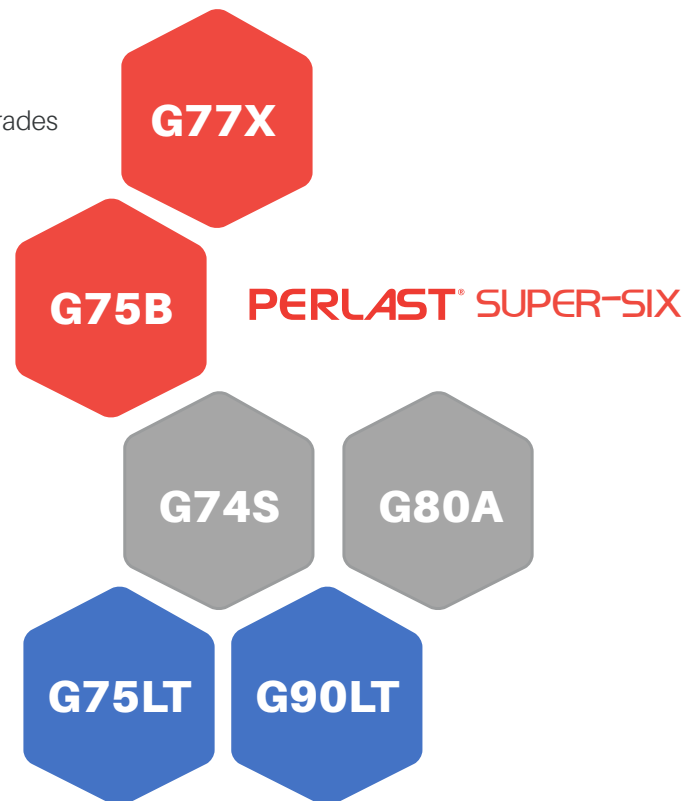


Technical Support

OUR MOST POPULAR GRADES FOR INDUSTRIAL APPLICATIONS

The Perlast® range of perfluoroelastomer materials are at the leading edge of polymer technology. Developed by PPE to offer superior sealing solutions with enhanced performance and improved functionality, they have been proven in the field for over 20 years. These six materials are our most popular, used for the most demanding industrial applications:

-  Perlast® Highest Temperature Grades
-  Perlast® Food Approved / Chemical Resistant Grades
-  Perlast® Lowest Temperature Grades



WHERE IS PERLAST® USED?

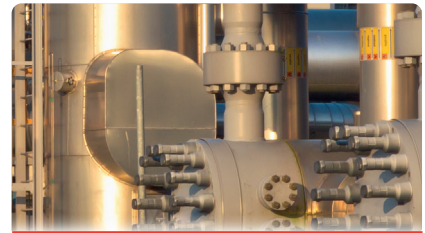
Our Super Six Perlast® material grades are engineered to perform to the highest standard under the temperatures, pressures, chemical media considerations and mechanical stresses of the following industries and applications:



Food & Dairy



Pharmaceutical & Biomedical



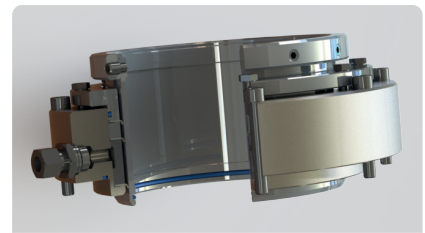
Chemical Processing



Energy



Aerospace



Mechanical Seals

MATERIAL PROPERTIES

Material Grade	Hardness	Tensile Strength	Elongation at Break	100% Modulus	Comp. set 70h @ 200°C	Minimum Operating Temp.	Max. Short Term Temp.
Perlast® G77X	77 Sh. A	18.0 MPa	170%	9.1 MPa	8%	-15°C	+350°C
Perlast® G75B	85 Sh. A	18.0 MPa	125%	16 MPa	18%	-15°C	+325°C
Perlast® G74S	74 Sh. A	18.5 MPa	190%	11 MPa	12%	-15°C	+260°C
Perlast® G80A	81 Sh. A	19.0 MPa	150%	15 MPa	18%	-15°C	+310°C
Perlast® G75LT	78 Sh. A	11.0 MPa	160%	8.5 MPa	17%	-46°C	+275°C
Perlast® G90LT	88 Sh. A	17.6 MPa	165%	13.0 MPa	21%	-46°C	+275°C

NEW**PERLAST® G77X**

THE LATEST GENERATION OF FFKM OFFERING
OUTSTANDING THERMAL RESISTANCE

Specially formulated high-temperature resistant perfluoroelastomer (FFKM) compound designed for sealing components in:

- Chemical Processing - Aerospace - Mechanical Seals - Valves - Pumps

KEY FEATURES

Class-leading high temperature capability (up to 350°C)

Exceptionally low compression set over extended periods

Long-term durability & reliability

Extend service/maintenance intervals

Lower cost of ownership



INNOVATION | PERFORMANCE | RELIABILITY

PERLAST® G75LT

PERFORMANCE AT EXTREMELY LOW TEMPERATURES

Perlast® ICE G75LT offers a unique combination of excellent chemical resistance and extreme low temperature performance.

- Chemical Processing - Aerospace - Oil & Gas



KEY FEATURES

Excellent low temperature sealing capability (-46°C)

Low compression set

Excellent chemical resistance to a broad range of chemicals

Good mechanical properties

Hot2Cold

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INNOVATION | PERFORMANCE | RELIABILITY

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