



PTFE Products



PTFE gaskets are one of the most suitable types of gaskets for a variety of sealing applications and are mostly based on virgin PTFE, PTFE compounds, filled PTFE or expanded PTFE. It is a fluoropolymer, which features an outstanding chemical resistivity to almost all chemicals, good thermal insulation properties, and useful mechanical and processing characteristics.

APPLICATIONS

PTFE provides excellent thermal insulation and is the most chemically resistant plastic known. It is unaffected by most corrosive liquids, vapors and gases, and conforms to both FDA and AMS specifications. PTFE will insulate to 500 volts per mil and does not melt. Because of these properties, PTFE gaskets, washers and seals are used in the following industries:

- Electrical Applications
- Food, Beverage & Pharmaceutical
- Laboratories
- Petrochemical & Chemical Processing
- Semi-Conductor



An extended range of improved mechanical and processing properties can be additionally reached by a combination of virgin PTFE and different fillers.

Filled Materials: Graphite, Fiber glass, Carbon Fiber, Bronze

RAMADHA CENTER PLASTIC PRODUCTS

- POM- Rods & sheets
- HDPE- Rods & sheets
- UHMWPE- Rods & sheets
- Nylon- Rods & sheets
- PU, Silicone- Rods & sheets
- ABS, Bakelite- Rods & sheets
- PC, Acrylic- Rods & sheets
- PP, PEI, PEEK- Rods & sheets
- PVC, PET, PBT, PPS- Rods & sheets



TECHNICAL DATA SHEET

RUBBER MATERIAL REPORT

EPDM:

RUBBER EXPANSION SECTION OF THE PHYSICAL AND MECHANICAL PROPERTIES OF THE RUBBER PARAMETERS ARE AS FOLLOWS:

No.	Item		Standard		Actual
			Inner layer rubber	Outer layer rubber	
1	(MPa) ≥ Tensile strength		12	13	13.6
2	(%) ≥ Break off elongation		450	500	564
3	(%) ≤ Break off permanent distortion		25	30	22
4	°C ≥ Brittleness temperature		-30	-30	-40
5	(km/m) ≥ Viscosity strength		2	2	5.6
6	(100°C×48h) Hot Air aging	% Tensile strength charge	+25~-25	-25~-20	20
		Elongation charge %	+10~-30	+10~-30	5
7	10%H ₂ SO ₄ ×168h ≥ Acidity coefficient		0.7	0.7	0.85
8	10%NaOH×168h ≥ Alkali coefficient		0.7	0.7	0.85