

PTFE

Property	ASTM Method	Value
Specific Gravity	D792	2.16
Tensile Strength	D4894	4,360 psi
Elongation @ Break	D4894	320%
Compressive Modulus	D695	50,000 psi
Compressive Strength @ 0.2% Offset	D695	1,050 psi
Compressive Strength @ 5% Strain	D695	1,660 psi
Hardness	D2240	63 Shore D
Temperature Range	-100°F to 500°F (-73°C to 260°C)	

PTFE meets the following certifications:
FDA, Class VI, 3A and ADI Free



The preceding data gives the typical properties of PTFE material. These are typical properties and should not be used for specification purposes. This information is based on our experience to date and we believe it to be reliable. It is intended to be used as a guide at your discretion and risk. Rubber Fab cannot guarantee favorable results and assumes no liability in connection with the use of this product. None of this information is to be taken as a license to operate under, or a recommendation to infringe any patents.

Rubber Fab

a Garlock Hygienic Technologies company

26 Brookfield Drive | Sparta, NJ 07871

866.442.2959 | Fax: 973.579.7275

www.rubberfab.com | sales@rubberfab.com

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Tuf-Steel®

Property	ASTM Method	Value
Base Material	D4894	PTFE
Filler	–	316 Stainless Steel
Color	–	Grey
Specific Gravity	D792	3.48
Tensile Strength	D4894	1,780 psi
Elongation @ Break	D4894	260%
Compressive Modulus	D695	84,000 psi
Compressive Strength @ 0.2% Offset	D695	1,590 psi
Compressive Strength @ 5% Strain	D695	2,620 psi
Hardness	D2240	69 Shore D
Temperature Range	-320°F to 550°F (-195°C to 288°C)	

Tuf-Steel® meets the following certifications:
FDA, Class VI, 3A and ADI Free



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FKM

Property	Value
Tensile Strength	Min 1,500 psi
Elongation @ Break	Min 100
Durometer	85 Shore A (+/-5)
Specific Gravity	1.99 - 2.05
Temperature Range	-30°F to 400°F (-34°C to 204°C)

FKM meets the following certifications:
FDA, Class VI, 3A and ADI Free



The preceding data gives the typical properties of FKM material. These are typical properties and should not be used for specification purposes. This information is based on our experience to date and we believe it to be reliable. It is intended to be used as a guide at your discretion and risk. Rubber Fab cannot guarantee favorable results and assumes no liability in connection with the use of this product. None of this information is to be taken as a license to operate under, or a recommendation to infringe any patents.

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Platinum Silicone

Property*	Test Method	Value	
Appearance	WSTM 2298	Translucent	
Specific Gravity, 25°C	WSTM 1261	1.19	
Extrusion Rate Catalyzed, 25°C g/min**	WSTM 2299	20	
Pot Life, hrs, 25°C***	WSTM 2299	48	
Temperature Range	-40°F to 450°F (-40°C to 232°C)		
		Press Cured 5 min/166°C	Post Cured 4 hr/204°C
Hardness, Shore A	WSTM 1110	75	80
Tensile Strength	WSTM 1160	9.66 MPa 1,400 psi	9.66 MPa 1,400 psi
Elongation, %	WSTM 1160	400	300
Tear Strength, die B	WSTM 1160	33.25 kN/m 190 psi	22.75 kN/m 130 psi
Compression Set, Method B (22 hr/177°C)	WSTM 1114	50	20
Shrink, %	WSTM 1114	2.5	3.1
Brittle Point, °C	ASTM D746	N/A	-73

Silicone meets the following certifications: FDA, Class VI, 3A and ADI Free



*Properties obtained after mixing Part A and Part B in a ratio of 1:1. **Extrusion rate obtained at 90 psi and 0.125 inch orifice. ***Pot life determined by time required for extrusion rate to be reduced to 50% of initial value. The preceding data gives the typical properties of Silicone material. These are typical properties and should not be used for specification purposes. This information is based on our experience to date and we believe it to be reliable. It is intended to be used as a guide at your discretion and risk. Rubber Fab cannot guarantee favorable results and assumes no liability in connection with the use of this product. None of this information is to be taken as a license to operate under, or a recommendation to infringe any patents.

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Buna

Property	ASTM Method	Value
Shore A Durometer, Points	D412-98a, D2240-97	68
Tensile Strength	D412-98a, D2240-97	1,392 psi
Ultimate Elongation	D412-98a, D2240-97	527%
Specific Gravity	D792-91	1.4
Compression Set	D395-97 Method B	84.8%
Tear Resistance	D624-98	165 lbf/in
Temperature Range	-30°F to 200°F (-34°C to 93°C)	

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EPDM

Property	Test Method	Value
Base Polymer	–	EPDM
Durometer Shore A	D412-98a D2240-97	68
Tensile Strength	D412-98a D2240-97	2039 psi
Ultimate Elongation	D412-98a D2240-97	605%
300% Modulus	D412-98a D2240-97	632 psi
Tear Resistance	D624-98	188 (32.9 kN/m)
Compression Set	D395-98, Method B	34.1%
Brittle Point, °C	ASTM D746	N/A
Temperature Range	-30°F to 300°F (-34°C to 149°C)	

EPDM meets the following certifications: FDA, Class VI, 3A and ADI Free



The preceding data gives the typical properties of EPDM material. These are typical properties and should not be used for specification purposes. This information is based on our experience to date and we believe it to be reliable. It is intended to be used as a guide at your discretion and risk. Rubber Fab cannot guarantee favorable results and assumes no liability in connection with the use of this product. None of this information is to be taken as a license to operate under, or a recommendation to infringe any patents.

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