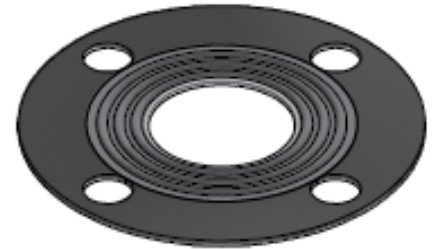


NIRON CLIMA ACCESSORIES

GASKET LOW STRESS EPDM

ITEM: 00GRET_
SIZE RANGE: 1" (32 mm) ÷ 24" (630 mm)
MATERIAL: EPDM
COLOR: Black



PRODUCT INFORMATION AND APPLICATION USE:

Black EPDM is a peroxide cured polymer with outstanding properties including exceptionally good weather aging and ozone resistance, excellent water and chemical resistance, excellent resistance to gas permeability, and excellent resistance to aging due to exposure to steam and heat resistance up to -25° F to 300° F. Ethylene Propylene is a polymer where oil and solvent resistance is poor, however, it is fairly good in ketones and alcohols. EPDM is not recommended for food applications or exposure to aromatic hydrocarbons.

Designed specifically for FRP and plastic piping systems. Minimal torque is required to seal 100% pure virgin TFM or PTFE sealing surface. Totally Bonded Elastomer and TFM or PTFE Construction 65 to 75 Durometer Elastomer Typical compression set values of 15% or better continuous, no "seam", radius style TFM or PTFE envelope Thickest available TFM of PTFE shiel without sacrificing compression set properties. For temperatures of -40°F (-40°C) to 300°F (149°C). Totally non-asbestos construction.

Common industries: chemical processing, mining, offshore drilling rigs, pulp & paper, semiconductor, many others.

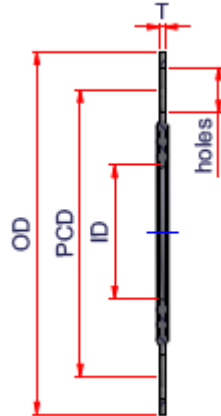
Common chemical applications:

- Acids: hydrochloric, sulfuric;
- Caustics:sodium hydroxide, potassium hydroxide, calcium hydroxide;
- Water: de-ionized, potable;
- Other:hydrocarbons, chlorine services.

TYPICAL PHYSICAL PROPERTIES:

PHYSICAL PROPERTY	UNITS	VALUE
Specific Gravity	(G/CC)	0.86
Durometer: Shore 'A'	(pts)	65-75
Elongation	(%)	600
Abrasion Resistance		Good
Tear Resistance		Fair
Resilience – Rebound		Good
Compression Set – Max	(%)	35

The physical properties shown above were obtained on molded ASTM samples. They are typical, but they should not be used to set Quality Control Specification minimum requirements.



CODE	Weight lbs/pc	Volume ft ³ /pc	ND (PP)	ANSI 150# HOLES PATTERN	OD	ID	PCD	T	holes	N° holes
00GRET321	0,11	0,0013	1" => 32 mm	1"	4,25	1,16	3,13	0,125	0,62	4
00GRET40114	0,13	0,0016	1 1/4" => 40 mm	1 1/4"	4,63	1,25	3,50	0,125	0,62	4
00GRET50112	0,15	0,0018	1 1/2" => 50 mm	1 1/2"	5,00	1,72	3,87	0,125	0,62	4
00GRET632	0,18	0,0026	2" => 63 mm	2"	6,00	2,16	4,75	0,125	0,75	4
00GRET75212	0,2	0,0035	2 1/2" => 75 mm	2 1/2"	7,00	2,50	5,50	0,125	0,75	4
00GRET903	0,22	0,0041	3" => 90 mm	3"	7,50	3,15	6,00	0,125	0,75	4
00GRET1104	0,26	0,0052	3 1/2" => 110 mm	4"	9,00	4,06	7,50	0,125	0,75	8
00GRET1255	0,29	0,0059	4" => 125 mm	5"	10,00	4,97	8,50	0,125	0,75	8
00GRET1606	0,31	0,0088	6" => 160 mm	6"	11,00	6,14	9,50	0,125	0,88	8
00GRET2008	0,33	0,0132	8" => 200 mm	8"	13,50	8,10	11,75	0,125	0,88	8
00GRET25010	0,35	0,0185	10" => 250 mm	10"	16,00	10,13	14,50	0,125	1,00	12
00GRET31512	0,37	0,0261	12" => 315 mm	12"	19,00	12,22	17,00	0,125	1,00	12
00GRET35514	0,44	0,0319	14" => 355 mm	14"	21,00	13,87	18,75	0,125	1,12	12
00GRET40016	0,48	0,0399	16" => 400 mm	16"	23,50	15,81	21,25	0,125	1,12	16
00GRET45018	0,55	0,0452	18" => 450 mm	18"	25,00	17,90	22,75	0,125	1,25	16
00GRET50020	0,65	0,0547	20" => 500 mm	20"	27,50	19,96	25,00	0,125	1,25	20
00GRAT63024	0,75	0,0741	24" => 630 mm	24"	32,00	23,94	29,50	0,125	1,37	20

MANUFACTURER'S WARRANTY:

Thirty (30) Years from the date of sale upon successful completion of pressure test of the piping system (refer to published warranty for complete details).

NOTE:

* More information can be found on NIRON TECHNICAL CATALOGUE

** For Niron pipe and fittings to meet E-84 and/or CAN/ULC S102.2 for installation in a plenum application, it must be covered with a minimum of 1" or greater E-84 fiberglass insulation

*** Technical Data may undergo dimensional changes, check revision at the top



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TORQUE RENGES FOR NIRO ENERGIZER GASKETS:

Flange size	1 st Round Tightening (25% Torque)		2 st Round Tightening (50% Torque)		3 st Round Tightening (75% Torque)		Final (100% Torque)	
	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum
Inch	Ft-lb _f	Ft-lb _f	Ft-lb _f	Ft-lb _f	Ft-lb _f	Ft-lb _f	Ft-lb _f	Ft-lb _f
1	2		3		5		7	
1 ¼	2		4		6		8	
1 ½	2		5		7		10	
2	4		9		13		17	
2 ½	6		12		18		24	
3	6		13		19		26	
3 ½	5		9		14		18	
4	4		7		11		14	
6	9		19		28		37	
8	13		26		39		52	
10	12		24		36		48	
12	16	18	32	35	48	53	64	70
14	23	25	46	51	69	79	93	102
16	20	22	41	45	61	67	81	89
16BV	23	25	45	50	68	74	90	99
18	29	32	57	63	86	95	115	126
20	27	30	54	60	82	90	109	120
22								
24	28	31	57	62	85	94	114	125