



**Specification**

4 5

<ul style="list-style-type: none"> <li>Hydrogenated acrylonitrile butadiene rubber</li> <li>- Blue</li> <li>- Temperature resistant from -13 °F to +302 °F (-25 °C to +150 °C)</li> <li>- FDA compliant</li> <li>- Hardness 85 ±5 Shore A</li> </ul>	<b>HNBR</b>	<b>85</b>
<ul style="list-style-type: none"> <li>Ethylene propylene diene rubber</li> <li>- Blue</li> <li>- Temperature resistant from -40 °F to +248 °F (-40 °C to +120 °C)</li> <li>- FDA compliant</li> <li>- Hardness 85 ±5 Shore A</li> </ul>	<b>EPDM</b>	<b>85</b>
<ul style="list-style-type: none"> <li>Fluorine rubber</li> <li>- Blue</li> <li>- Temperature resistant from +23 °F to +392 °F (-5 °C to +200 °C)</li> <li>- FDA compliant</li> <li>- Hardness 85 ±5 Shore A</li> </ul>	<b>FKM</b>	<b>85</b>

• Plastic Characteristics → page QVX

• RoHS compliant

**Information**

Components with cylindrical mounting surfaces, which are installed in hygienic areas, can be sealed and mounted without dead spaces using GN 7600 sealing rings. Standard parts that are supplied with GN 7600 sealing rings are listed in the table and can be supplied individually in case service is required.

When delivered, or when not assembled, the sealing rings have the “actual dimensions” stated in the table. To ensure a firm seating and a reliable sealing, an installation space as shown in the sketch must be provided on the component. This ensures that when the sealing ring is mounted, it will be subject to the necessary pressure without excess load. All surfaces that are in contact with the sealing ring should have a minimum surface quality of Ra 0.8 µm.

How to order	1 Outer diameter d <sub>1</sub>
	2 Inner diameter d <sub>2</sub>
	3 Width s
	4 Material
	5 Hardness

1 2 3 4 5  
**GN 7600-12-8-2-HNBR-85**



**Metric table**

Dimensions in: millimeters - *inches*

1 2			3					
d <sub>1</sub>	d <sub>2</sub>	d <sub>3</sub>	d <sub>1</sub>	d <sub>2</sub>	d <sub>3</sub>	d <sub>4</sub>	s	Suitable for
Nominal dimensions - installation space			Actual dimensions - sealing rings, unassembled					
10 0.39	6 0.24	10.8 0.43	9.5 0.37	6.1 0.24	10.2 0.40	5.4 0.21	2 0.08	GN 1581
11 0.43	7 0.28	11.8 0.46	10.2 0.40	6.8 0.27	10.9 0.43	6.1 0.24	2 0.08	GN 1580 / GN 1581 / GN 1582 / GN 8341 / GN 8351
12 0.47	8 0.31	12.8 0.50	11.2 0.44	7.8 0.31	11.9 0.47	7.1 0.28	2 0.08	GN 429 / GN 1580
13 0.51	9 0.35	13.8 0.54	12.2 0.48	8.8 0.35	12.9 0.51	8.1 0.32	2 0.08	GN 1581 / GN 1582 / GN 8341 / GN 8351
14 0.55	10 0.39	14.8 0.58	13.2 0.52	9.8 0.39	13.9 0.55	9.1 0.36	2 0.08	GN 75.6 / GN 305 / GN 1580
16 0.63	12 0.47	16.8 0.66	15.1 0.59	11.7 0.46	15.8 0.62	11 0.43	2 0.08	GN 75.6 / GN 429 / GN 1581 / GN 1582 / GN 5064 / GN 8341 / GN 8351
18 0.71	14 0.55	18.8 0.74	17.0 0.67	13.6 0.54	17.7 0.70	12.9 0.51	2 0.08	GN 75.6 / GN 305 / GN 1580 / GN 5435 / GN 5445
19 0.75	15 0.59	19.8 0.78	17.9 0.70	14.5 0.57	18.6 0.73	13.8 0.54	2 0.08	GN 1581 / GN 1582
20 0.79	16 0.63	20.8 0.82	18.9 0.74	15.5 0.61	19.6 0.77	14.8 0.58	2 0.08	GN 429
21 0.83	17 0.67	21.8 0.86	19.9 0.78	16.4 0.65	20.5 0.81	15.7 0.62	2 0.08	GN 1580 / GN 5064 / GN 5435 / GN 5445
22 0.87	18 0.71	22.8 0.90	20.8 0.82	17.4 0.69	21.4 0.84	16.7 0.66	2 0.08	GN 305 / GN 1150 / GN 1581 / GN 8170 / GN 6226
25 0.98	21 0.83	25.8 1.02	23.6 0.93	20.2 0.80	24.3 0.96	19.5 0.77	2 0.08	GN 20 / GN 20.1 / GN 1580 / GN 5064
28 1.10	24 0.94	28.8 1.13	26.5 1.04	23.1 0.91	27.2 1.07	22.4 0.88	2 0.08	GN 20 / GN 20.1 / GN 1581 / GN 5080 / GN 5090 / GN 6226
30 1.18	26 1.02	30.8 1.21	28.5 1.12	25.1 0.99	29.2 1.15	24.4 0.96	2 0.08	GN 1150
32 1.26	28 1.10	32.8 1.29	30.4 1.20	27.0 1.06	31.1 1.22	26.3 1.04	2 0.08	GN 20 / GN 20.1 / GN 1580
34 1.34	30 1.18	34.8 1.37	32.3 1.27	28.9 1.14	34.0 1.34	28.2 1.11	2 0.08	GN 6226
36 1.42	32 1.26	36.8 1.45	34.2 1.35	30.8 1.21	34.8 1.37	30.1 1.19	2 0.08	GN 20 / GN 20.1
40 1.57	36 1.42	40.8 1.61	38.1 1.50	34.7 1.37	38.8 1.53	34 1.34	2 0.08	GN 1580
42 1.65	38 1.50	42.8 1.69	39.9 1.57	36.5 1.44	40.6 1.60	35.8 1.41	2 0.08	GN 5080 / GN 5090