



Dowhon HNBR Compound Selection Guide

No.	Grade Name	Color	Density	ShoreA	Tb/MPa	Eb/%	C-Set%	TR10/°C	Temperature Range°C	Final Produce	Molding	Transferring	Extrusion	Injection
1	HN501803S	Black	1.16±0.03	50±5	19	434	23	-24	(-31~+149/162)	O ring, gasket, simple complicated parts	●●●	●●●	●●	
2	HN55102	Black	1.19±0.03	55±5	17	330	19	-24	(-31~+149/162)	O ring, gasket, simple complicated parts	●●●	●●●	●●	
3	HN60109	Black	1.22±0.03	60±5	19.6	392	22	-24	(-31~+149/162)	O ring, gasket, simple complicated parts	●●●	●●	●	
4	HN601003	Black	1.24±0.03	60±5	17	320	22	-24	(-31~+149/162)	O ring, gasket, simple complicated parts	●●●	●●●	●	
5	HN65109	Black	1.26±0.03	65±5	23	289	21	-24	(-31~+149/162)	O ring, gasket, simple complicated parts	●●●	●	●	
6	HN651010	Black	1.26±0.03	65±5	20	288	18	-24	(-31~+149/162)	O ring, gasket, simple complicated parts	●●●	●●	●●	
7	HN70139	Black	1.31±0.03	70±5	19	300	19	-24	(-31~+149/162)	Complicated parts	●●●	●	●	
8	HN701033	Black	1.24±0.03	70±5	21	250	20	-24	(-31~+149/162)	O ring, gasket, simple complicated parts	●●●	●	●	
9	HN701024J	Black	1.26±0.03	70±5	20	255	26	-21	(-31~+149/162)	Complicated parts	●●●	●●●	●●●	●●●
10	HN751501	Black	1.27±0.03	75±5	22	230	24	-21	(-31~+149/162)	O ring, gasket, simple complicated parts	●●●			
11	HN75126	Black	1.33±0.03	75±5	22	260	19.6	-20	(-31~+149/162)	O ring, gasket, simple complicated parts	●●●			
12	HN751520	Black	1.29±0.03	75±5	22	260	19	-22	(-31~+149/162)	Complicated parts	●●●	●●		
13	HN751022	Black	1.29±0.03	75±5	21	270	18.5	-22	(-31~+149/162)	Complicated parts	●●●	●●	●	
14	HN80120	Black	1.36±0.03	80±5	22	210	17.7	-21	(-31~+149/162)	O ring, gasket, simple complicated parts	●●●			
15	HN801021	Black	1.30±0.03	80±5	21	190	21	-22	(-31~+149/162)	O ring, gasket, simple complicated parts	●●●			
16	HN85101	Black	1.33±0.03	85±5	25	155	22	-21	(-31~+149/162)	O ring, gasket, simple complicated parts	●●●			
17	HN851005	Black	1.33±0.03	85±5	23	155	22.5	-21	(-31~+149/162)	O ring, gasket, simple complicated parts	●●●			
18	HN90106	Black	1.40±0.03	90±5	21	180	23	-20	(-31~+149/162)	O ring, gasket, simple complicated parts	●●●			

19	HN901002	Black	1.31±0.03	90±5	24	140	27	-20	(-31~+149/162)	O ring, gasket, simple complicated parts	...			
20	HN651403B	Black	1.22±0.03	65±5	22	260	19	-22	(-31~+149/162)	O ring, gasket, simple complicated parts	...	•	•	
21	HN751412B	Black	1.25±0.03	75±5	24	210	22.3	-21	(-31~+149/162)	O ring, gasket, simple complicated parts	...			
22	HN801424B	Black	1.34±0.03	80±5	19	210	24	-22	(-31~+149/162)	O ring, gasket, simple complicated parts	...			
23	HN651008	Black	1.25±0.03	65±5	20	289	21	-22	(-31~+149/162)	O ring, gasket, simple complicated parts	...	•	•	
24	HN652001F	Brown	1.23±0.03	65±5	23	3330	24	-21	(-31~+149/162)	O ring, gasket, simple complicated parts	...	•		
25	HN701002	Black	1.32±0.03	70±5	19	266	24	-21	(-31~+149/162)	O ring, gasket, simple complicated parts	...	•		
26	HN601005R	Black	1.21±0.03	60±5	19	320	18.5	-24	(-35~+149/162)	O ring, gasket, simple complicated parts	...	...	•	
27	HN701403R	Black	1.26±0.03	70±5	21	255	22	-21	(-31~+149/162)	O ring, gasket, simple complicated parts	...	•	•	
28	HN70135R	Black	1.25±0.03	70±5	23	237	20	-21	(-31~+149/162)	O ring, gasket, simple complicated parts	...			
29	HN706401	Green	1.33±0.03	70±5	18	300	21	-24	(-31~+149/162)	O ring, gasket, simple complicated parts	...	•	•	
30	HN756002R	Green	1.34±0.03	75±5	20	235	18	-21	(-31~+149/162)	O ring, gasket, simple complicated parts	...			
31	HN806001R	Green	1.36±0.03	80±5	17	250	23	-25	(-31~+149/162)	O ring, gasket, simple complicated parts	...			
32	HN701008K	Black	1.29±0.03	70±5	17	255	25	-33	(-40~+149/162)	O ring, gasket, simple complicated parts	...	••	••	
33	HN701027K	Black	1.24±0.03	70±5	18	230	23	-35	(-45~+149/162)	O ring, gasket, simple complicated parts	...	••	•	
34	HN701047K	Black	1.30±0.03	70±5	15	175	27	-40	(-50~+149/162)	O ring, gasket, simple complicated parts	...	••		
35	HN751013K	Black	1.34±0.03	75±5	17	220	22.8	-33	(-40~+149/162)	O ring, gasket, simple complicated parts	...	••	•	
36	HN901003k	Black	1.42±0.03	90±5	17	125	17	-33	(-40~+149/162)	O ring, gasket, simple complicated parts	...			
37	HN701046A	Black	1.27±0.03	70±5	20	200	14	-21	(-31~+149/162)	O ring, gasket, simple complicated parts	...			
38	HN704045A	Red	1.28±0.03	70±5	21	210	15	-21	(-31~+149/162)	O ring, gasket, simple complicated parts	...			
39	HN75103A	Black	1.28±0.03	75±5	18.5	180	16	-21	(-31~+149/162)	O ring, gasket, simple complicated parts	...			
40	HN751004A	Black	1.28±0.03	75±5	18	230	16	-21	(-31~+149/162)	O ring, gasket, simple complicated parts	...			

41	HN90103A	Black	1.38±0.03	90±5	22	135	16	-20	(-31~+149/162)	O ring, gasket, simple complicated parts	●●●			
42	HN901007A	Black	1.38±0.03	90±5	22	130	16	-20	(-31~+149/162)	O ring, gasket, simple complicated parts	●●●			
43	HN701021	Black	1.64±0.03	70±5	15	350	27	-21	(-31~+149/162)	O ring, gasket, simple complicated parts	●●●			
44	HN756307	Green	1.35±0.03	75±5	22	260	18	-16	(-25~+149/162)	O ring, gasket, simple complicated parts	●●●			
45	HN751011N	Black	1.26±0.03	75±5	23	220	28	-16	(-25~+149/162)	O ring, gasket, simple complicated parts	●●●			
46	HN851003N	Black	1.30±0.03	85±5	26	158	29	-16	(-25~+149/162)	O ring, gasket, simple complicated parts	●●●			
47	HN851008H	Black	1.24±0.03	85±5	26	210	30	-16	(-25~+149/162)	O ring, gasket, simple complicated parts	●●●			
48	HN901004H	Black	1.28±0.03	90±5	26	150	31	-18	(-25~+149/162)	O ring, gasket, simple complicated parts	●●●			
49	HN80106D	Black	1.20±0.03	80±5	27	175	19.8	-21	(-31~+149/162)	O ring, gasket, simple complicated parts	●●●			
50	HN801016M	Black	1.38±0.03	80±5	20	200	20	-21	(-31~+165/175)	O ring, gasket, simple complicated parts	●●●	●●		
51	HN803019D	Gray	1.38±0.03	80±5	16	250	30	-16	(-31~+149/162)	Injection rubber cords.	●●●	●●	●●	●●●
52	HN903003D	Gray	1.43±0.03	90±5	19	160	27	-16	(-25~+149/162)	Injection rubber cords.	●●●	●	●	●●●

Note:

1.Curing Condition: Rubber Slab 130x90x2mm,press cure177°C x 10mins, post cure 150°Cx 4hrs,Rubber Column Φ29x12.5mm Press Cure 160°Cx30mins, Post cure 150°Cx4hrs

2.Compression Set:ASTM D395 B,Type 1A,150°CX70hrs.

3.Producing Method: Blank: Not recommend ●: Not bad ●●: Good ●●●: Excellent