



Dowhon FKM Compound Selection Guide/Oil Seal

Grade	color	hardness	TENSILE	ELONGATION	DENSITY	CS	TR10	BT	AGING			Engine Oil5W-30				FUEL C				85% 5W-30+15% Fuel				Property
		shore A	Mpa	%	%				230°C*70H			150°C*70H				23°C*70H				60°C*70H				
									Hardness	tnesile	elongation	hardness	tensile	elongation	volume	hardness	tensile	elongation	volume	hardness	tensile	elongation	volume	
Valve Oil Seal																								
Copolymer Change																								
DHF-78632F	black	78	14.1	210	1.86	18	-16	-20	1	7.6	-10.3	1	-28.7	-39	1.6	-3	-23.3	3.2	3.5	-5	-23.0	6.9	3.1	good mold flow,metal bonding,for compression and injection molding
DHF-78022F	brown	78	15.5	230	1.95	18	-16	-21	0	8.5	-6.2	1	-26.3	-35	1.5	-3	-21.6	4.6	3.2	-5	-21.3	8.7	2.9	
DHF-78422F	gray	78	14.8	210	1.98	20	-16	-20	1	5.4	-9.3	1	-27.7	-39	1.5	-3	-21.9	5.7	3.2	-5	-22.6	11.2	3.0	
DHF-78322F	green	78	15.2	220	1.99	17	-16	-20	1	5.5	-8.7	1	-29.1	-37	1.4	-3	-22.1	4.3	3.1	-5	-21.9	9.3	3.0	
Terpolymer																								
DHF-78622T	black	78	14.6	190	1.92	25	-13	-27	0	-4.6	2.9	1	-7.4	-22	1.0	-2	-14.3	1.5	2.6	-4	-16.7	10.5	2.8	good mold flow,metal bonding,for compression and injection molding
DHF-78022T	brown	78	14.9	190	1.99	25	-13	-25	0	-3.2	4.5	1	-6.3	-20	0.8	-2	-12.5	-1.2	2.4	-4	-17.9	9.7	2.6	
DHF78422T	gray	78	13.8	185	2.05	26	-13	-23	0	-3.9	6.3	1	-7.1	-22	0.8	-2	-13.6	-2.3	2.5	-4	-16.6	11.3	2.7	
DHF-78322T	green	78	13.5	200	2.03	23	-13	-25	0	3.7	1.6	1	-8.3	-23	0.9	-2	13.9	1.2	2.4	-4	-18.2	10.9	2.7	
Crankshaft oil seal																								
Copolymer Change																								
DHF-73632F	black	73	14.3	220	1.86	20	-17	-25	1	4.3	-5.2	-3	-4.9	3.2	2.8	-3	-20.3	5.9	3.4	1	-22.3	-30.2	1.6	good hot tear resistance,good mold release,metal bonding
DHF-73022C	brown	73	16.2	230	1.93	18	-17	-28	1	1.85	-7.5	-3	-5.7	5.1	2.7	-3	-17.9	7.3	3.3	1	-19.1	-27.4	1.7	
DHF-7332F	green	73	14.82	210	1.97	21	-17	-24	1	5.4	-6.9	-3	-5.3	4.6	2.7	-3	-18.4	9.5	3.3	1	-20.6	-28.4	1.7	
Terpolymer																								
DHF-72632T	black	72	13.8	210	1.89	24	-14	-30	0	-2.3	3.7	-2	-4.2	7.9	1.8	-2	-11.2	3.2	2.5	1	-6.6	-20.1	0.9	good hot tear resistance,good mold release,metal bonding,good hot and oil resistance
DHF-73032T	brown	73	14.9	205	1.96	23	-14	-29	0	-3.1	5.2	-2	-3.8	8.3	1.6	-2	-10.6	2.9	2.6	1	-5.3	-19.9	1.0	
DHF-73331T	green	73	14.1	200	1.98	25	-14	-29	0	-2.6	4.5	-2	-4.5	9.9	1.6	-2	-9.7	3.6	2.5	1	-6.0	-21.2	0.9	
Gearbox Oil Seal																								
Copolymer Change																								
DHF-75033G	brown	75	17.2	250	1.95	26	-17	-30	1	-4.3	8.7	-2	-0.3	4.9	0.6	-2	-3.7	-16	2.2	-2	-5.0	-19.3	2.3	Peroxide FKM,good gearbox oli resistance
Terpolymer																								
DHF-75033GAL	brown	75	17.5	260	1.94	29	-21	-30	2	-3.8	7.3	-2	-1.5	5.4	0.5	-2	-4.1	-18	2.1	-2	-6.6	-18.3	2.2	Peroxide FKM,good gearbox oli,low temperature resistance,