



Dowhon FKM Compound Selection Guide/Oring,Gasket

Grade	color	hardness	TENSILE	ELONGATION	DENSITY	CS	TR10	BT	AGING			OIL 903				FUEL C				ATF GL-5				Property
		shore A	Mpa	%	%	%	°C	°C	250°C*70H			150°C*70H				23°C*70H				150°C*1008H				
									Hardness	tensile	elongation	hardness	tensile	elongation	volume	hardness	tensile	elongation	volume	hardness	tensile	elongation	volume	
Copolymer																							Change	
DHF-50611NCL	black	48	10.0	280	1.83	30	-18	-30	0	9.9	-22.7	-3	-17.3	1.7	3.0								very low hardness,good mold release,hot tear resistance	
DHF-55622F	black	55	9.2	240	1.83	13	-18	-27	1	3.4	-6.1	-1	-3.3	5.9	2.9								low hardness,low compression set,good mold release	
DHF-60611F	black	60	12.2	230	1.85	13	-17	-25	1	-1.4	-8.3	-1	0.9	9.6	2.9								low CS, good mold release,for various Oring and gaskets	
DHF-70611F	black	70	14.9	225	1.85	18	-17	-22	1	2.3	-4.9	-1	-5.8	11.8	2.7	-3	-19.2	4.1	3.1				good mold release,for various Oring and gaskets	
DHF-75611F	black	75	15.3	200	1.86	19	-17	-20	1	1.2	-3.7	-2	-6.1	8.6	2.5								good mold release,for various Oring and gaskets	
DHF-80611F	black	80	16.2	180	1.86	21	-16	-20	2	-1.8	-9.6	-3	-8.5	7.2	2.5								good mold release,for various Oring and gaskets	
DHF-90611F	black	90	16.6	145	1.86	24	-15	-16	-1	5.4	-4.8	-4	-2.1	14.3	2.3								high hardness, good mold release	
DHF-60011F	brown	60	13.5	240	1.91	12	-18	-26	1	-5.5	-3.8	-2	-1.1	3.9	2.8								good mold release,for various Oring and gaskets,low CS	
DHF70011F	brown	70	15.1	230	1.93	17	-17	-25	1	-2.1	-3.2	-2	-4.7	6.8	2.6	-3	-18.7	3.9	3.0				good mold release,for various Oring and gaskets	
DHF-80011F	brown	80	17.2	180	1.96	18	-16	-20	2	-3.3	-8.1	-2	-7.5	9.7	2.4								good mold release,for various Oring and gaskets	
DHF-60311F	green	60	13.2	230	1.91	12	-18	-27	1	1.3	-2.9	-2	-3.6	10.3	2.7								good mold release,for various Oring and gaskets	
DHF-70311F	green	70	14.1	200	1.92	15	-17	-25	1	4.5	-3.6	-2	-1.7	10.4	2.6	-3	-19.9	4.5	3.0				good mold release,for various Oring and gaskets	
DHF-70511F	gray	70	15.7	190	1.92	15	-17	-22	1	1.6	-1.2	-2	-8.5	15.3	2.6								good mold release,for various Oring and gaskets	
DHF-70032G	brown	70	16.5	245	1.93	28	-17	-30	2	-3.7	8.3								-2	-6.7	-17.3	2.4	Peroxide FKM,Good gearbox oil resistance	
Grade	color	hardness	TENSILE	ELONGATION	DENSITY	CS	TR10	BT	AGING			OIL 903				FUEL C				ATF GL-5				Property
		shore A	Mpa	%	%	%	°C	°C	275°C*70H			150°C*70H				23°C*70H				150°C*1008H				
									Hardness	tensile	elongation	hardness	tensile	elongation	volume	hardness	tensile	elongation	volume	hardness	tensile	elongation	volume	
Terpolymer																							Change	
DHF-55621T	black	55	11.3	250	1.87	35	-14	-45	1	-7.8	6.9	-3	-5.3	15.6	1.9	-2	-14.7	2.2	2.4				good mold release,high temperature and oil resistance	
DHF60611T	black	60	15.3	230	1.88	18	-14	-40	1	-8.3	9.4	-2	-4.2	8.5	1.8	-2	-15.3	3.2	2.3				good mold release,high temperature and oil resistance	
DHF-70611T	black	70	18.7	220	1.88	20	-13	-36	1	-7.2	8.5	-2	-5.7	13.7	1.8	-2	-13.2	2.9	2.2				good mold release,high temperature and oil resistance	
DHF-80611T	black	80	19.3	180	1.89	22	-13	-31	2	-10.3	9.7	-2	-6.2	10.8	1.6	-2	-14.1	3.0	2.3				good mold release,high temperature and oil resistance	
DHF-60011T	brown	60	13.1	250	1.93	22	-14	-35	1	-9.8	11.3	-2	-3.9	9.3	1.7	-2	-13.9	2.9	2.3				good mold release,high temperature and oil resistance	
DHF-71011T	brown	70	16.4	200	1.96	24	-13	-30	1	-9.3	10.7	-2	-4.4	8.9	1.7	-2	-13.2	3.3	2.3					
DHF-71011GAL	brown	70	16.9	240	1.93	29	-21	-30	2	-3.9	9.6								-2	-5.8	-18.7	2.3	peroxide FKM,low temperature,gearbox oil resistance	