

GRADES AND PROPERTIES

Grade	Specific Gravity	Hardness (±5)	Tensile Strength	Elongation at break	Compression Set 200 °C X 70 hrs	Heat Aging (250°C X 70 hrs)		
						Tensile Change	Elongation Change	Hardness Change
Unit	gm/cm³	Shore A	Kg/cm²	%	%	%	%	Points
Test Method	ASTM D 792	ASTM D 2240	ASTM D 412	ASTM D 412	ASTM D 395 B	ASTM D 573		
O'RING APPLICATION								
HKC O 60	1.86	60	100	225	13	-5	-7	+1
HKC O 70	1.86	70	130	200	15	-5	-3	0
HKC O 80	1.86	80	130	180	18	-2	-2	+1
HKC O 90	1.86	90	130	150	20	-1	-2	+1
HKTC O 70	1.89	70	140	220	20	-2	-2	+1
HKTC O 80	1.89	80	140	200	22	-2	-3	+1
OIL SEAL APPLICATION								
HKC BS 60	1.86	60	100	275	18	-6	-4	+1
HKC BS 70	1.86	70	130	250	20	-2	-5	+1
HKC BS 80	1.86	80	130	225	23	-7	-4	+3
HKTC BS 70	1.89	70	130	300	30	-3	-5	+1
HKTC BS 80	1.89	80	130	275	32	-5	-6	+2
GENERAL MOULDING APPLICATION								
HKC M 60	1.86	60	100	260	18	-6	-7	+1
HKC M 70	1.86	70	130	240	20	-7	-5	+1
HKC M 80	1.86	80	130	220	22	-5	-6	+1
HKC M 90	1.86	90	135	180	25	-5	-7	+1
EXTRUDED PRODUCT APPLICATION								
HKC E 70	1.86	70	110	225	23	-5	-5	+1
HKC E 80	1.86	80	120	200	25	-4	-6	+1
GASOLINE AND ETHENOL APPLICATION								
HKC 70 GE	1.87	70	120	200	20	-3	-4	+1
HKC 80 GE	1.87	80	120	180	23	-2	-3	+1
LOW HARDNESS MOULDING APPLICATION								
HKC 50	1.87	50	75	275	18	-	-	-
O'RING APPLICATION - HIGH TENSILE COMPOUND								
HKC O 70 HT	1.87	70	160	200	18	-	-	-
HKC O 80 HT	1.87	80	170	180	20	-	-	-
CNG & LPG APPLICATION					#CNG TEST	APPLICATION		
HKCNG C 60	1.87	60	105	230	20	Diaphragms		
HKCNG C 70	1.87	70	140	200	20			
HKCNG O 70	1.87	70	140	200	18	O-Ring		
HKCNG O 80	1.87	80	140	180	18			
#CNG IMMERSION TEST : CNG at room temperature and 20MPa pressure for 70 hr (Change in Volume)								

Curing Conditions : Press Cure : 170 °C X 10 min./Post Cure : 230 °C X 24 hrs

Compounds are designed to suite Compression, Transfer and Injection moulding. Above compounds are standard compounds, can be designed as per customers specification. Colour compounds are available as per specification and colour. Special Compounds for low post curing time are available on request. Compounds also available in unvulcanised cord form.

GRADES AND PROPERTIES

Grade	Specific Gravity	Hardness (±5)	Tensile Strength	Elongation at break	Compression Set	Tear Strenth	Brittlenss Point	TR10	Confirming Specification
Unit	gm/cm ³	Shore A	N/mm ²	%	%	N/mm	°C	°C	
Test Method	DIN 53479	DIN 53505	DIN 53504	DIN 53504	DIN 53517	DIN 53815	ASTM D 2137	ASTM D 1329	
HNBR									
Curing Conditions : Press Cure 170 °C x 10 min / Oven Cure 150 °C x 3 hrs)					150 °C X 22 hrs				
HN1736	1.22	69	14.4	382	-	45	-	-	DBL 5565.01
HN1915	1.16	58	18.9	339	23	47	-63	-19	DBL6038.07, DBL6038.06; VW 2.8.1 C/T60
HN1928/HN2597	1.21	71*	22.7	315	15	61	-54	-15	DBL 6038.06, VW2.8.1, EN549 D1H2
HN2656	1.22	69*	23.0	338	15	56			DBL 6038.06, VW2.8.1, EN549 D1H2
HN1948 Green	1.31	64	16.5	342	19	36	-56	-17.5	DBL6038.05; LBL1663023045
HN2164	1.09	47	19.0	392	-	36	-	-	VW2.8.1-C50
ACM									
Curing Conditions : Press Cure 170 °C x 10 min / Oven Cure 170 °C x 4 hrs)					150 °C X 22 hrs				
AC1393	1.30	70	11.9	263	21	25	-15	-19.5	VW2.8.1E70; DBL6038.20; 93010-5631; 5567.10
AC1743	1.26	60	11.0	216	26.5	23	-20	-18.4	BMW GS9301-5630; DBL 5567.00
AC2105	1.31	68	10.5	270	-	28	-33	-34.5	FIAT 52294 TC150-70; VW2.8.1. C70
AC2568	1.25	51	10.6	342	40	-	-27	-21	VW TL52293
PGO AC1093	1.28	67	12.0	269	-	-	-	-	VW 281 C omolgati O-RING
AEM (VAMAC')									
Curing Conditions : Press Cure 170 °C x 10 min / Oven Cure 170 °C x 4 hrs)					150 °C X 24 hrs				
EA1181	1.22	72	12.5	284	13	34	-31	-28.2	DBL6251.33; DBL5567.30; TL52329; TL 52486; MTA 120-70; TO 175-70
EA1960	1.30	57*	11.6	313	18	32	-38	-32	FIAT MTA120/60; TRM 150/60
Curing Conditions : Press Cure 170 °C x 10 min / Oven Cure 175 °C x 3 hrs)					150 °C X 24 hrs				
EA2753	1.25	63	15.0	235	14.5	35	-45	-31	TL 52329
EA2754	1.24	72	16.9	218	13	-	-45	-31	TL 52329
ECO									
Curing Conditions : Press Cure 170 °C x 10 min / Oven Cure 150 °C x 3hrs)					100 °C X 24 hrs				
EC1943	1.44	72	14.9	307	30	56	-29	-	TOAF150/70; DBL5565.22 VWTLS2052; FIAT 9.02168/01
EC2272	1.50	87	11.4	106	37*	40	-28	-32.9	TOAF 150-80
EC2844	1.47	84	11.3	145	-	36	-	-	TOAF 150-80
FKM									
Curing Conditions : Press Cure 170 °C x 10 min / Oven Cure 240 °C x 20hrs)					200 °C X 22 hrs				
FK 5136	1.90	84	15.0	105	14	35	-	-17	FIAT 9.14618 OR 200
FK 5544	1.89	74	12.5	200	15	-	-	-17	DBL 6038.40
FK 5730	2.18	64	13.5	280	23	25	-24	-13	FIAT 55280/08 TGB/AC 60
PFK 0115	1.93	79	13.5	170	14	30	-	-17	FDA regulation 21 CFR 177 2600
PFK 0145	1.97	74	16.0	240	20	31	-	-13	VW 2.8.1 A
PFK 0410	1.99	69	14.0	220	23	23	-	-7	BMW 60200 93010 5505
FK 5467 GR**	2.08	74	11.5	180	14	-	-	-17	PORSCHE PN 707-2
PFK 0211 GR**	2.12	68	11.0	240	15	20	-26	-13	DBL 6015.30
PFK 0418**	1.99	77	23.0	230	20	22	-26	-8	FIAT 55280/08 TGB/AC 70
Curing Conditions : Press Cure 170 °C x 10 min / Oven Cure 230 °C x 6hrs)					CS: 175 °C X 168 hrs	CS: 0 °C X 72 hrs	CS: -20 °C X 72 hrs		
FK 5642	1.88	71	16.0	250	23	25	46	-24	UNI EN 549 E2H3 (gasket in gas application)
FVMQ									
Curing Conditions : Press Cure 170 °C x 10 min / Oven Cure 200 °C x 4hrs)					150 °C X 24 hrs			Colour	
MG8280N60F	1.47	64	7.5	309	10	21	-55	Black	BMW N 602 00.0.4610; DBL 5568.20; TGBF/A 200/60 TAB 55280/0; MATER. No. 16 630 23 049
MG8744NE60F	1.46	63	10.0	340	12	21	-60	NEUTRAL	MIL-R-25988 TYPE2CL1GR60; DBL5568.20
MG9029R60F	1.47	65	8.5	320	12	17	-60	Red	DBL 5568.20; BMW N 602 00.0.4610 VW281
MG9057N60F	1.47	63	9.1	280	12	28	-60	Black	PSAO1802
MG92808BL60F	1.48	62	10.0	342	11	20	-63	Blue	BOSCH GW5060-99-51-60-70 5540000014
PVMQ									
Curing Conditions : Press Cure 170 °C x 10 min / Oven Cure 200 °C x 4hrs)					175 °C X 22 hrs				
MG9069G50	1.24	53	10.2	480	-	17	-	Grey	
MG9572N60	1.24	64	9.9	512	-	22	-	Black	
MG9337N70	1.26	73	8.1	283	26	13	-	Black	
VMQ									
Curing Conditions : Press Cure 170 °C x 10 min / Oven Cur 200 °C x 4hrs)					175 °C X 22 hrs				
MG7020R40	1.16	43	9.2	575	28	25	-55	Red	ZZ-R-765cl.2A
MG7157N50	1.18	54	11.5	540	19	22	-35	Black	VW 2.8.1. G50
MG9092N70	1.30	74	10.0	250	22*	23	-60	Black	BS4255
Curing Conditions : Press Cure 170 °C x 10 min / Oven Cur 200 °C x 4hrs)					CS: 175 °C X 168 hrs	CS: 0 °C X 168 hrs	CS: -20 °C X 168 hrs		
MG7523N60P	1.25	62	9.0	403	30	15	40	Black	FIAT 55295