

Dynamix

FKM READY TO USE COMPOUND

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.