



Compounding Solutions

## HIGH PERFORMANCE ELASTOMERS COMPOUNDS

### GRADES AND PROPERTIES

Grade	Specific Gravity	Hardness (±5)	Tensile Strength	Elongation at break	Compression Set	Tear Strength	Brittleness Point	TR10	Confirming Specification
Unit	gm/cm <sup>3</sup>	Shore A	N/mm <sup>2</sup>	%	%	N/mm	°C	°C	
Test Method	DIN 53479	DIN 53505	DIN 53504	DIN 53504	DIN 53517	DIN 53815	ASTM D 2137	ASTM D 1329	
<b>HNBR</b>									
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
<b>ACM</b>									
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 G59301-5630; 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
<b>AEM (VAMAC<sup>®</sup>)</b>									
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
<b>ECO</b>									
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 VWTL52052; 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
<b>FKM</b>									
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)
<b>FVMQ</b>									
Curing Conditions : Press Cure 170°C x 10 min / Oven Cure 200°C x 4hrs)					150°C X 24 hrs				
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
<b>PVMQ</b>									
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	
<b>VMQ</b>									
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