Polymer/ Requirements	NR/ IR	SBR	BR	EPM/ EPDM	PNR	IIR	BIIR/CIIR	NBR	NBR/PVC	HNBR	XNBR	CR	CM	CSM	ACSM	CO/ ECO/ GECO	ACM	AEM	EVM	AU/ EU	FKM/FPM	FFKM	FEPM	PMQ/VMQ	FMQ/FVMQ	FZ/PZ	OT/ EOT
Max hardness, ShA	90	95	-	95	-	80	-	95	--	98	-	90	-	90	-	90	90	90	80	90	90	90	90	85	80	-	-
Min hardness, ShA	30	35	-	20	-	30	-	30	-	45	-	25	-	45	-	40	50	50	50	55	45	65	65	30	30	-	-
Max temperature [1]	80	90	80	120	60	90	90	90	80	125	90	85	125	125	125	120	140	150	150	70	200	250	200	200	175	160	80
Min temperature [2]	-50	-40	-75	-35	-50	-45	-45	-30	-25	-25	-25	-35	-10	-40	-45	-40	-20	-30	-30	-10	-15	-15	-5	-80	-55	-55	-40
Tear resistance	4	3	3	3	2	3	3	3	3	3	4	3	3	3	3	2-3	2-3	2	3	4-5	1-2	2	4	1	1	2	1
Compression set at -30 to +70 °C	4	4	4	3	3	2	2	3	2	2-3	3	3	3	2	2	2-3	3	4	2	3	2-3	2-3	2	4	3	3	1-2
Compression set at +70 to +150 °C	1	1	1	2-3	1	2	2	3	2	4	3	2-3	3-4	2	2	3	3	4	2	1-2	5	3-4	3-4	4	4	4	1-2
Abrasion	4-5	4-5	5	3	3	3	3	3	3	3	4	3-4	3	3	3	3	2-3	3	2	5	3	3	3	1-2	1	2	1
Oil and petrol resistance	1	1	1	1	1	1	1	3-4	4	3-4	3-4	2-3	2	2-3	2-3	4	4	3	2	4-5	5	4	4	2-3	4	3-4	4-5
Gas diffusion inert gas	2	2-3	2	2	2	5	5	4	4	4	4	3-4	4	3	3	4-5	2	2-3	1	4	3	4	-	1-2	3	4	3
Oxidation resistance	2	2	2	5	2	3-4	3-4	2-3	3	5	2-3	3-4	5	5	5	4	4	4	5	3	5	5	5	5	5	4	1-2
Weather and Ozone resistance	1-2	1-2	1-2	5	1-2	4	4	1-2	3-4	5	1-2	3	4	4	4	4	3	4	5	5	5	5	5	5	5	4	4
Thermal ageing	1-2	1-2	1-2	3-4	1-2	3-4	3-4	3	3	4	3	3	3-4	3-4	4	3	4	4	2	3	5	5	4-5	4-5	4-5	4	2-3
Cold Stiffness	4-5	4	5	4	3-4	3-4	3-4	2-3	2	2-3	2	2-3	2	2-3	2-3	3-4	2	3	3	2	1-2	1-2	1-2	5	4	4	3-4
Water resistance	4	4	4	5	4	4	3	3-4	3	3-4	3-4	2-3	2-3	3	3	4	2	2	3	2	3	3	4	2	2	2-3	3
Water (at 100 °C)	1	1	-	4	-	4	-	3	-	4	-	2	-	-	-	4	3	3	-	1	5	-	-	4	4	-	-
Fire resistance [3]	1	1	1	1	1	1	1	1	2-3	1	1	3	3	2	2	2	1	2	1	2-3	4	4	-	2	3	5	-
Rebound resistance in cold	5	3	5	3	3	1	1	3	2	3	3	3	2	3	3	3-4	2	1	-	1	2	2	1	5	4	4	2
Rebound resistance in heat	5	3	5	3	3	3	3	3	2-3	3	3	4	3	3	3	5	4	2	-	3	4	4	2	5	4	4	1-2
Dynamic fatigue resistance	4	4	4	3	3	3	3	2	2-3	4	2	4	2	3	4	3	2-3	3	2	4	1-2	1-2	3	1-2	2	3	1
High friction [4]	5	4	3	3	4	4	4	3-4	3	3-4	3-4	4	3	3	3	3	3	3	3	1	2	2	-	3-4	3	-	-
Adhesion to metal	4-5	4-5	4-5	3	4-5	2	2	4	3	3	4	4	3	4	4	3	3	3	4	5	2	2	2-3	2	2	3	3
Adhesion to textile	4-5	4-5	4-5	3	4-5	2	2	3-4	3	3	3-4	4-5	3	3	3	3	3	3	4	5	2	3	-	2	2	-	-
Price index, mixed	1	0,9	0,9	1,2	1,3	1,3	1,8	1,4	1,5	11,7	2,1	2,1	1,8	3,3	4,3	5	4,2	3,8	2,5	4,2	33	1650	45	5,8	90	225	3

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