

Quick Reference Specification Guide for Rubber Compound Series																				
5 - Excellent	4 - Above Average																			
3 - Average	2 - Fair																			
1 - Poor																				
	Nitrile Rubber	High ACN Nitrile Rubber	Nitrile Textile Series	Nitrile Extra Tough	Carboxylated Nitrile Rubber	Hydrogenated Nitrile Elastomers	Aqua Series	HW Series	Nitrile/PVC Series	NB Series	EPDM Series	EPDM Advantage Series	EPDM/Silicone Rubber	Neoprene Series	Millable Urethane series	Hypalon Series	Aqueous Hypalon Series	SBR Series	Silicone Series	Natural Series
	Nitrile (NBR, Buna N) compounds for general usage requiring oil resistance (20-95 duro)	High ACN Nitrile rubber compounds for enhanced resistance to Aromatic and Paraffinic type solvents (40-95 duro)	Nitrile compounds developed specifically for textile applications and other applications involving aqueous media (40-95 duro)	Extra tough Nitrile compounds developed for more demanding applications (50-95 duro)	Carboxylated Nitrile compounds offering outstanding abrasion resistance and toughness (45-95 duro)	Hydrogenated or highly saturated Nitrile compounds with outstanding heat and abrasion resistance (50-98 duro)	Compounds developed for offset printing dampening rollers, to exhibit high affinity to fountain solutions (25-40 duro)	Nitrile compounds for high speed web offset printing (20-50 duro)	Unique blends of Nitrile rubber and PVC. The softer compounds (20-50 duro) are for offset printing applications and the harder compounds (50-95 duro) are for industrial applications.	Nitrile/PVC formulation developed to optimize the performance in sheet-fed and web offset printing (20-50 duro)	EPDM type rubber compounds offering toughness, chemical resistance and low swell to specific solvents (20-95 duro)	Easy processing (good extruding and easy to finish) EPDM compounds (50-98 duro)	Unique blend of EPDM and Silicone offering improved toughness over Silicone with better release and high temperature resistance than EPDM (40-95 duro)	Neoprene compounds with good all round properties for industrial applications	Polyurethane compounds based on a millable type polyether backbone (40-95 duro)	Hypalon compounds which are tough and hard wearing for dry applications (30-95 duro)	Hypalon compounds with outstanding toughness coupled with superior resistance to aqueous media (45-98 duro)	SBR formulation for general use on roller applications (30-95 duro)	Silicone compounds giving high temperature resistance and high release, formulated specifically for roller applications (40-90 duro)	Natural rubber based compounds for general roller use requiring toughness and dynamic properties (25-95 duro)
	BN	BH	BT	BX	XN	HN	BA	HW	NP	NB	EP	EL	ES	NE	MU	HY	HA	SB	SI	NR
Physical Properties																				
Hardness Range Shore A	20-95	40-95	40-95	50-95	45-95	50-98	25-40	20-50	20-95	20-50	20-95	50-98	40-95	5-95	40-95	30-95	45-98	30-95	40-90	25-99
Hardness Range P & J	0-200	20-185	20-185	10-200	20-170	15-185	N/A	N/A	90-275	N/A	10-300	10-200	10-140	10-300	10-250	20-250	20-200	20-230	25-185	5-250
Abrasion Resistance	3	3	2	4	5	5	2	3	4	3	4	3	3	3	5	4	4	3	1	5
Tear Resistance	3	3	2	4	5	5	3	3	3	3	3	3	2	4	5	4	4	3	1	5
Load Bearing	4	4	4	4	5	5	4	3	3	3	3	3	2	4	5	5	5	4	1	5
Hysteresis	2	1	2	3	1	5	2	5	1	5	2	2	3	4	5	2	2	3	5	5
Resistance to Denting	3	3	3	4	2	3	2	4	1	4	3	4	3	2	5	2	2	3	5	5
Maximum Service Temperature (°C/°F)	121°/250°	121°/250°	121°/250°	121°/250°	135°/275°	160°/320°	121°/250°	121°/250°	121°/250°	121°/250°	177°/350°	177°/350°	185°/365°	121°/250°	100°/212°	149°/300°	149°/300°	121°/250°	260°/500°	100°/212°
Ozone Resistance	1	1	1	1	1	5	1	3	4	4	5	5	5	3	4	5	5	1	5	1
Resiliency	3	2	2	4	2	4	3	5	2	5	4	4	4	4	4	3	2	5	1	5
Solvent Resistance																				
Acids	2	2	2	2	2	3	2	2	3	3	5	5	4	3	1	2	5	3	4	3
Caustics	3	3	4	3	3	4	3	3	3	3	5	5	4	4	1	2	5	3	4	3
Paraffinic Hydrocarbons	5	5	5	5	5	5	5	5	5	5	1	1	1	3	2	3	3	1	2	1
Aromatic Hydrocarbons	3	4	3	3	3	3	3	3	4	4	2	2	2	2	1	2	2	1	3	1
Chlorinated Hydrocarbons	1	1	1	1	1	4	1	1	1	1	1	1	2	1	1	1	1	1	3	1
Water	4	4	5	4	4	4	3	4	4	4	5	5	4	3	2	3	4	5	4	5
Ketones	2	2	2	2	2	2	1	2	1	1	5	5	5	3	1	3	3	4	3	5
Alcohols	5	5	5	5	4	5	5	5	5	5	5	5	4	4	3	4	4	5	4	5
Esters	1	1	1	1	1	1	1	1	1	1	5	5	3	3	1	5	3	4	3	5
Recommended Applications																				
Coating/Varnishing	•	•							•		•	•		•	•					
Embossing				•		•			•				•	•	•	•			•	
Flexography	•			•							•	•		•	•					•
Laminating	•	•		•	•	•					•	•	•	•	•	•			•	
Laser Engraving											•	•						•		•
Metal Decorating	•	•			•						•	•			•					
Offset Printing							•	•	•	•										
Paper Making Industry	•			•		•										•	•			•
Plastics				•	•								•			•			•	
Plate Processors	•								•	•	•									
Steel Mill Rollers	•			•	•	•					•	•		•	•		•	•		•
Textile Rollers			•			•					•	•					•	•		•
Wood Industry	•			•	•	•					•	•	•	•	•	•		•	•	•