

Rubber Specification:

ITEM:						
Elastomeric Bearing						
This is to certify the physical properties of the material that is used for manufacture of Elastomeric Bearing (Type 1, Type 2, Type 1/2) are as given bellow						
Physical properties						
Properties	Unit	Base Polymer		Standard Test method	Conditions	
		NR	CR			
Before aging	Hardness	Shore A	45-75	45-75	ASTM D2240	-
	Tensile Strength	Mpa	≥ 16	≥ 16	ASTM D 412	-
	Elongation	%	≥ 400	≥ 400	ASTM D 412	For 45-55 shore A
		%	≥ 400	≥ 350		For 56-65 Shore A
%		≥ 300	≥ 300	For 66-75 Shore A		
After Aging	Change in tensile strength	%	≤ -25	≤ -15	ASTM D 573	(168 hr at 70°C for NR) (70 hr at 100°C for CR)
	Change in Elongation	%	≤ -25	≤ -40		
	Change in Hardness	%	≤ +10	≤ +15		
Compression Set	%	≤ 25	-	ASTM D 395 B	After 22 hr at 70°C	
	%	-	≤ 35		After 22 hr at 100°C	
Ozone resistance	...	No Cracking	No Cracking	ASTM D 1149	After 96 hr at 50pphm	
Adhesion Strength	N/mm	≥ 7	≥ 7	ASTM D429	-	