

Repearl® Nitrile (NBR)

Item	Unit	ASTM Method	Type		
			Repearl® BJLT	Repearl® BJLT	Repearl® CJLT
ACN Content	%	PASA 023	30.5 - 34.5	30.5 - 34.5	38.0 - 42.0
Volatile Content	%	D5668	0.70 Max	0.70 Max	0.70 Max
Ash Content	%	D5667	0.50 Max	0.50 Max	0.50 Max
Antioxidant (non-staining)	%	PASA 050	0.60 Min.	0.60 Min.	0.60 Min.
Mooney Viscosity	-	D1646	40 - 52	20 - 32	39 - 51
Compounded Mooney Viscosity	-	D1646	85 Max	56 Max	85 Max
Tensile Strength 40 / 150°C	Mpa	D412	20.7 Min.	18.6 Min.	20.7 Min.
Elongation 40 / 150°C	%	D412	380 Min.	350 Min.	350 Min.
300% Modulus 40 / 150°C	Mpa	D412	9.9 – 17.0	7.9 – 14.1	9.6 – 16.8
Shore A Durometer		D2240	68 - 78	68 - 78	64 - 78
ts 1	Minutes	D5289	1.5 – 3.7	1.4 – 4.4	1.0 – 3.8
t 90	Minutes	D5289	7.5 – 15.7	7.9 – 16.1	16.3 – 23.3

*Formulations follow ASTM D3187 and Rheometer MDR 2000

*Vulcanized compound based on ASTM D3182

