



**Polymer Content**

**Technical Specifications**

**Black Nitrile Rubber - NB65140**

PROPERTIES	TEST METHOD	VALUES FPS UNITS	TEST METHOD	VALUES METRIC UNITS
SPECIFIC GRAVITY	DIN 53508	1.40±0.05	ASTM D297	1.40±0.05
HARDNESS	DIN 53505	65± 5 Sh A	ASTM D2240	65± 5 Sh A
TENSILE STRENGTH (min)	DIN 53504	1425 PSI	ASTM D412	100 Kg/cm <sup>2</sup>
ELONGATION AT BREAK (min)	DIN 53504	300%	ASTM D412	300%
COMPRESSION SET (70°C/24 HRS/25% COMPRESSION) (max)	DIN 53508	30%	ASTM D395 Method B	30%
TEAR RESISTANCE (angular) min	DIN 53505	140 Lbs/Inch	ASTM D624	25 Kg/cm
<b>CHANGE IN PROPERTIES AFTER HEAT AGEING FOR 72 hrs AT 150°C</b>			ASTM D573	
HARNESS (points)		+ 4 (Max)		+ 4 (Max)
TENSILE STRENGTH %		+ 10/-10		+ 10/-10
ELONGATION AT BREAK %		+ 10/-20		+ 10/-20
<b>VOLUME SWELL AT 150°C FOR 24 hrs</b>			ASTM D471	
IN ASTM OIL No.1				+2%
IN ASTM OIL No.2				+4%
IN ASTM OIL No.3				+15%
<b>CHEMICAL RESISTANCE</b>				
OZONE		FAIR	ASTM D1149	FAIR
DILUTE ACIDS AND BASES		GOOD		GOOD
CONCENTRATE ACIDS AND BASES		Not Recommended		
OILS		EXCELLENT		EXCELLENT
SOLVENTS		GOOD		GOOD
Polymer Content (NITRILE)		100%		
TEMPERATURE RANGE		-30 to + 110°C		
EC Directive 2001/95/EC	YES			
REACH Regulation (EC) 1907/2006 SVHC	YES			
FDA 21 CFR177.2600	NO			
Traceability	YES	Must be requested at time of purchase (cost involved)		
Colour	BLACK			



**Better Industrial Ltd Hamilton New Zealand**

**Ph ++64 7 847 9269 sales@betterindustrial.co.nz www.betterindustrial.co.nz**