



**AJ310  
TECHNICAL DATA SHEET**

<u>PHYSICAL PROPERTIES</u>	<u>TEST METHOD</u>	<u>TYPICAL RESULTS</u>
DENSITY lb/ft <sup>3</sup>	ASTM D 3574	6 +/- 2
HARDNESS DURO SHORE 00	ASTM D 2240	55 +/-5
COMPRESSION DEFLECTION (25%) psi	ASTM D 1056	4 – 8
COMPRESSION SET (%)	ASTM D 1056	≤ 25 %
TENSILE STRENGTH psi	ASTM D 412 (DIE A)	80
TEAR STRENGTH lb/in	ASTM D 624 (DIE C)	17
ELONGATION (%)	ASTM D 412 (DIE A)	200%
RESILIENCE (%)	ASTM D 2632	7 %
SERVICE TEMP. (°F) Low High	ASTM D 746	- 20 160
WATER ABSORPTION Max. Weight change (%)	ASTM D 1056	< 5 %
ACCELERATED AGING [7 Days at 70°C (73.4°F)] Flexibility (180° bend no cracking) Appearance change Change in Compression Deflection (%)	ASTM D 1056	PASS NONE +/- 30%
COMBUSTION CHARACTERISTICS	FMVSS-302 UL94HF-1	PASS PASS Thickness greater than 3/16" only

**RESISTANCE TO :**

**NITRILE-POLYVINYL CHLORIDE**

Acid	Excellent		
Alkali	Good		
Gasoline & Oil	Excellent		
Aromatic Hydrocarbons	Good	ASTM D 1056	designation : 2B1
Keytones	Poor	SAE J 18 APR2002	designation : 2B1
Chlorinated Solvents	Good	ASTM D 6576	designation : II A SOFT
Oxidation	Excellent		
Ozone	Excellent		

The above data represents typical values encountered during normal production runs. This data is not offered as an exact or guaranteed product specification – the user must determine the suitability of the product for his own needs. A.J. Rubber & Sponge Ltd. cannot be held responsible for the inappropriate use or misuse of its products.