

## Material : Hydrogenated Nitrile Butadiene Rubber

### MAX SPARE Code : NT 34H (HNBR) - For High Tensile Strength

| Physical properties   | Nominal   | Units              |
|---|-----------|--------------------|
| <b>Hardness</b><br>ASTM D 2240, 23 °C                           | 85±5      | Shore A            |
| <b>Tensile strength</b><br>ASTM D 412, 23 °C                    | > 220     | Kg/Cm <sup>2</sup> |
| <b>Elongation at break</b><br>ASTM D 412, 23 °C                 | >100      | %                  |
| <b>Compression set</b><br>ASTM D 395, 150 °C, 22 h, 25 %        | < 30      | %                  |
| <b>Air Ageing</b><br>ASTM D 573, 150 °C, 70 h                   |           |                    |
| <b>Hardness Change</b>  | <( +10)   | Points             |
| <b>Tensile Change</b>   | <(-25)    | %                  |
| <b>Elongation Change</b>  | <(-50)    | %                  |
| <b>Fluid Resistance, ASTM Oil-1</b><br>ASTM D 471, 150 °C, 70 h |           |                    |
| <b>Hardness Change</b>  | -5 to +10 | Points             |
| <b>Tensile Change</b>   | <(-20)    | %                  |
| <b>Elongation Change</b>  | <(-40)    | %                  |
| <b>Volume Change</b>  | -15 to +5 | %                  |
| <b>Fluid Resistance, ASTM Oil-3</b><br>ASTM D 471, 150 °C, 70 h |           |                    |
| <b>Hardness Change</b>  | -15 to +5 | Points             |
| <b>Tensile Change</b>   | <(-40)    | %                  |
| <b>Elongation Change</b>  | <(-40)    | %                  |
| <b>Volume Change</b>  | 0 to +25  | %                  |
| <b>Specific Gravity</b><br>ASTM D 792, 23 °C                    | 1.29±0.03 | Gm/cc              |
| <b>Ash Content</b><br>800°C, 2 Hrs                              | <10       | %                  |

#### Disclaimer

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