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## NBR 2860

NBR 2860 is a copolymer of butadiene and acrylonitrile to be manufactured by cold emulsion polymerization technology of Goodyear and LG Chem.

NBR 2860 is a non staining, medium mooney, and medium low acrylonitrile polymer designed to aid in processing operations such as extrusion and press molding. And also, this grade offers excellent flexibility and elasticity in low temperature by the minimized block structure and low acrylonitrile content on polymer chain.

NBR 2860 is recommended for use in industrial and automotive parts such as packing, gasket and oil hose.

| BASIC PROPERTIES                                                                                                                                                                                      |               | VULCANIZATE PROPERTIES                                     |           |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------------------------------------------------|-----------|
| Polymerization                                                                                                                                                                                        | Cold Emulsion | Recipes(ASTM D3187)                                        |           |
| Bound AN Content(%)                                                                                                                                                                                   | 28            | NBR 2860                                                   | 100.0 phr |
| Volatile Matter(%)                                                                                                                                                                                    | 0.3           | HAF(IRB #8)                                                | 40.0      |
| Ash(%)                                                                                                                                                                                                | Max 1.0       | ZnO                                                        | 3.0       |
| Stabilizer                                                                                                                                                                                            | Non-Staining  | Stearic Acid                                               | 1.0       |
| Mooney Viscosity(ML1+4,100℃)                                                                                                                                                                          | 60            | TBBS                                                       | 0.7       |
| Color                                                                                                                                                                                                 | Light Tan     | Sulfur                                                     | 1.5       |
| Specific Gravity                                                                                                                                                                                      | 0.98          | Total                                                      | 146.2     |
| Packaging Information                                                                                                                                                                                 |               | Stress-Strain Properties<br>(ASTM D412, 145℃×50min. Cured) |           |
| Bale Weight                                                                                                                                                                                           | 35kg          | 300% Modulus(kg/cm <sup>2</sup> )                          | 120       |
| Bale wrapping film : LDPE                                                                                                                                                                             |               | Elongation(%)                                              | 510       |
| Shelf Life : 18 months from date of production at room temperatures not exceeding 30℃ under belowed storage condition (Retest critical parameters like MV and others after the expiry of shelf life). |               | Tensile strength(kg/cm <sup>2</sup> )                      | 250       |
| Storage condition                                                                                                                                                                                     |               |                                                            |           |
| NBR should be stored in warehouse to be protected from sunlight, heat, moisture and foreign materials.                                                                                                |               |                                                            |           |

\*The above data is a typical value, therefore there may be a slight difference between the elements of a supplied product and the data.



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