

## LG Chemical NBR 6260 High Acrylonitrile Polymer

Category : Polymer , Thermoset , Rubber or Thermoset Elastomer (TSE)

### Material Notes:

Description: NBR 6250 is a copolymer of butadiene and acrylonitrile manufactured by advanced emulsion polymerization technology of Goodyear and LG Chem. NBR 6250 is a non staining, medium mooney, and medium high acrylonitrile polymer designed to aid in processing operations such as extruding and calendaring. NBR 6250 is a low temperature polymerized polymer, and such as, retains the excellent physical and processing properties of a cold nitrile rubber. NBR 6250 is a high mooney version of NBR 6240. Applications: NBR 6260 is recommended to use in packings, shoe products, chemically blown sponge, oil field products, industrial and automotive molded parts. CAS No: 9003-18-3 Information provided by LG Chemical

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_LG-Chemical-NBR-6260-High-Acrylonitrile-Polymer.php](http://www.lookpolymers.com/polymer_LG-Chemical-NBR-6260-High-Acrylonitrile-Polymer.php)

| Physical Properties | Metric                     | English                    | Comments |
|---------------------|----------------------------|----------------------------|----------|
| Specific Gravity    | 0.990 g/cc                 | 0.990 g/cc                 |          |
| Volatiles           | 0.20 %                     | 0.20 %                     |          |
| Mooney Viscosity    | 60<br>@Temperature 100 Â°C | 60<br>@Temperature 212 Â°F | ML 1+4   |
| Ash                 | <= 0.50 %                  | <= 0.50 %                  |          |

| Mechanical Properties     | Metric   | English  | Comments         |
|---------------------------|--|--|------------------|
| Tensile Strength at Break | 29.5 MPa<br>@Temperature 145 Â°C,<br>Time 2990 sec   | 4280 psi<br>@Temperature 293 Â°F,<br>Time 0.830 hour | cured; ASTM D412 |
| Elongation at Break       | 549 %<br>@Temperature 145 Â°C,<br>Time 2990 sec      | 549 %<br>@Temperature 293 Â°F,<br>Time 0.830 hour    | cured; ASTM D412 |
| 300% Modulus              | 0.0138 GPa<br>@Temperature 145 Â°C,<br>Time 2990 sec | 2.01 ksi<br>@Temperature 293 Â°F,<br>Time 0.830 hour | cured; ASTM D412 |

| Descriptive Properties | Value       | Comments            |
|------------------------|-------------|---------------------|
| Bound AN Content       | 0.34        |                     |
| Color                  | Tan         |                     |
| Components             | HAF (IRB#7) | 40 phr, ASTM D3187  |
|                        | NBR 6260    | 100 phr, ASTM D3187 |

| Descriptive Properties | Value  | Comments            |
|------------------------|--------|---------------------|
|                        | Sulfur | 1.5 phr, ASTM D3187 |
|                        | TBBS   | 0.7 phr, ASTM D3187 |
|                        | ZnO    | 3 phr, ASTM D3187   |

## Contact Songhan Plastic Technology Co.,Ltd.

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