

# Milastomer™ 8030NS

Thermoplastic Vulcanizate  
Mitsui Chemicals America, Inc.

Message:

Milastomer™8030NS is a thermoplastic vulcanized rubber (TPV) material. This product is available in North America and is processed by extrusion.  
Milastomer™The typical application fields of 8030NS are: engineering/industrial accessories

| General Information                              |                                 |                   |                 |
|--|---------------------------------|-------------------|-----------------|
| Uses   | Washer                          |                   |                 |
|  | Weather-resistant sealing strip |                   |                 |
| Appearance                                       | Natural color                   |                   |                 |
| Forms  | Particle                        |                   |                 |
| Processing Method                                | Extrusion                       |                   |                 |
| Physical   | Nominal Value                   | Unit              | Test Method     |
| Density  | 0.880                           | g/cm <sup>3</sup> | ASTM D1505      |
| Melt Mass-Flow Rate (MFR) (230°C/10.0 kg)        | 15                              | g/10 min          | ISO 1133        |
| Hardness   | Nominal Value                   | Unit              | Test Method     |
| Durometer Hardness                               |                                 |                   | ISO 48          |
| Shaw A   | 88                              |                   | ISO 48          |
| Shaw A, 5 seconds                                | 83                              |                   | ISO 48          |
| Elastomers                                       | Nominal Value                   | Unit              | Test Method     |
| Tensile Stress <sup>1</sup> (100% Strain)        | 4.20                            | MPa               | ISO 37          |
| Tensile Stress <sup>2</sup> (Break)              | 8.20                            | MPa               | ISO 37          |
| Tensile Elongation <sup>3</sup> (Break)          | 590                             | %                 | ISO 37          |
| Compression Set                                  |                                 |                   | ISO 815         |
| 23°C, 22 hr                                      | 32                              | %                 | ISO 815         |
| 70°C, 22 hr                                      | 54                              | %                 | ISO 815         |
| Thermal  | Nominal Value                   | Unit              | Test Method     |
| Brittleness Temperature                          | < -60.0                         | °C                | Internal method |
| Additional Information                           |                                 |                   |                 |
| All tests performed according to Mitsui methods. |                                 |                   |                 |
| NOTE   |                                 |                   |                 |
| 1.   | 500 mm/min                      |                   |                 |
| 2.   | 500 mm/min                      |                   |                 |
| 3.   | 500 mm/min                      |                   |                 |

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