# TOTAL Polyethylene HDPE MS 201 BN-NA (EU)

### High Density (HMW) Polyethylene

#### **TOTAL Refining & Chemicals**

#### Message:

TOTAL Polyethylene MS201 BN-NA is a high density (HMW) polyethylene material. This product is available in North America or Asia Pacific. The main features of the TOTAL Polyethylene MS201 BN-NA are: Comply with REACH standard high molecular weight High resistance to environmental stress fracture (ESCR) Creep resistance Impact resistance Typical application areas include: Jars Automotive Industry

| General Information                      |  |          |              |
|--|--|----------|--------------|
| Features                                 | High ESCR (Stress Cracking Resistance) |          |              |
|  | High molecular weight                  |          |              |
|  | Impact resistance, good                |          |              |
|  | Good creep resistance                  |          |              |
|  | Good melt strength                     |          |              |
|  |  |          |              |
| Uses                                     | Application in Automobile Field        |          |              |
|  | Fuel Tank                              |          |              |
|  |  |          |              |
| Agency Ratings                           | EC 1907/2006 (REACH)                   |          |              |
| Forms                                    | Particle                               |          |              |
| Physical                                 | Nominal Value                          | Unit     | Test Method  |
| Density                                  | 0.946                                  | g/cm³    | ISO 1183     |
| Melt Mass-Flow Rate (MFR) (190°C/21.6    |  |          |              |
| kg)                                      | 6.0                                    | g/10 min | ISO 1133     |
| Environmental Stress-Cracking Resistance | 1000                                   |          |              |
| (100% lgepal, F50)                       | > 1000                                 | hr       | ASTM D1693B  |
| Mechanical                               | Nominal Value                          | Unit     | Test Method  |
| Tensile Stress (Yield)                   | 24.0                                   | MPa      | ISO 527-2/50 |
| Tensile Strain (Break)                   | 600                                    | %        | ISO 527-2/50 |
| Bending modulus-0.4% secant              | 1100                                   | MPa      | ISO 178      |
| Impact                                   | Nominal Value                          | Unit     | Test Method  |
| Notched Izod Impact (3.18 mm)            | 640                                    | J/m      | ASTM D256A   |
| Thermal                                  | Nominal Value                          | Unit     | Test Method  |
| Peak Melting Temperature                 | 127                                    | °C       | ASTM D3418   |
| Additional Information                   |  |          |              |
|  |  |          |              |

Blow Molding Typical Melt Temperature: 370 to 450°FStrain at Break, ISO 527: >600%

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#### Recommended distributors for this material

## Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

