

Sulfurized Isobutylene High-sulfur (GDT321B)

GDT321B is the "twin" product of GDT321C, specifically designed with enhanced extreme pressure performance. It is primarily used for the formulation of greases and related varieties.

Features

- Outstanding AW performance under extreme pressure conditions
- High thermal stability
- Good compatibility with other additives



Packaging and Storage

Packaging:

Available in 200-L steel drums, 1000-L IBC containers, or 20,000-L tank containers.

Storage:

Store in a dry, well-ventilated warehouse at ambient temperature, protected from light (especially when using transparent or semi-transparent containers).

The product may also be stored in large-capacity, dry, clean metal containers with nitrogen blanketing.

Technical Specifications and Test Methods

Item	Typical Value	Test Method
Appearance	Yellow amber	Visual inspection
Oil solubility test	Clear, no sediment	Visual inspection ⁽¹⁾
Water content (mass fraction), %	≤ 0.03	GB/T260
Mechanical impurities (mass fraction), %	≤ 0.05	GB/T511
Flash point (COC), °C	≥ 100	GB/T3536
Kinematic viscosity (100 °C), mm²/s	≤ 4.0	GB/T265
Density (20 °C), kg/m³	1000 ~ 1100	GB/T1884
Volatile sulfur-containing gas^c, ppm	≤ 10	GB/T17040
Sulfur content (mass fraction), %	≥ 46	SH/T0303 ⁽²⁾
Four-ball Test PD, kg	≥ 500	GB/T3142 ⁽³⁾
1、 After being thoroughly mixed at room temperature (20°C), the blend of 5% (m/m) GDT321 and 95% (m/m) base oil [60% (m/m) HVI150BS + 40% (m/m) HVI500] should appear clear and free from sediment upon visual inspection. 2、 The sulfur content in GDT321 can be determined using methods other than SH/T 17040 as well. 3、 5% (m/m) GDT321 + 95% (m/m) base oil [60% (m/m) HVI150BS + 40% (m/m) HVI500]		

Our technical advice - whether verbal, in writing or by way of trials - is given in good faith but without warranty, and this also applies where proprietary rights of third parties are involved. It does not release you from the obligation to test the products supplied by us as to their suitability for the intended processes and uses. The application, use and processing of the products are beyond our control and, therefore, entirely your own responsibility. Should, in spite of this, liability be established for any damage, it will be limited to the value of the goods delivered by us and used by you. We will, of course, provide products of consistent quality within the scope of our General Conditions of Sale and Delivery.

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