

TECHNICAL DATA SHEET

DENZEL HY

DENZEL HY is an organic soil made up of a complex blend of inorganic minerals and organic compounds. It is an indispensable component of oil-based drilling fluids, increasing both the viscosity and shear force as well as reducing the filtration loss of the system. DENZEL HY forms gels in various organic solvents, oils and liquid resins. It also has good thickening, lubricity and thixotropy properties, as well as suspension and high-temperature stability. This allows DENZEL HY to have a wide range of applications in oil drilling, coatings, metallurgy, aviation and chemical fiber.

Typical Characteristics

Parameter	Specification
Appearance	White to off-white powder
Solubility	Soluble in oil
Moisture (%)	≤ 8
Sieve residue, 100 mesh (%)	≤ 10
Breaking voltage (V)	≥ 500

Application

- Coarse colloid dispersion suitable for oil-based drilling fluids, yielding similar effect as bentonite in water-based systems.
- High temperature resistance with maximum operating temperature of 200°C.
- Strong suspension capacity and effective filtration loss control.

Packaging and Storage

DENZEL HY is packaged in 25 KG bag or 1000 KG bag.

Store in dry, well-ventilated area. Keep container closed. Keep away from heat, sparks and flames. Store away from incompatibles. Follow safe warehousing practices regarding palletizing, banding, shrink-wrapping and/or stacking.

Recommended Handling

All personnel handling this material must handle it as an industrial chemical, wearing protective equipment and observing the precautions as described in the Safety Data Sheet (SDS).

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