



Carbotal PAC DUL

Technical Data Sheet

CAS No.- 9004- 32-4

Grade- Polyanionic Cellulose Low Viscosity (Carbotal PAC DUL)

Carbotal PAC DUL is a polyanionic cellulose polymer for water-based drilling fluids. It effectively reduces the filtration rate of many water-based drilling fluids, especially solids-laden fluids, without causing significant increases in viscosity or gel strengths

Application- Carbotal PAC DUL is a high-performing, cost-effective additive to reduce API filtration rate of many water-based drilling fluids and is ideal in low solid muds designed for fast penetration rates. It minimizes mud costs as it is effective at low concentrations.

Molecular formula- $[C_6H_7O_2(OH_2)OCH_2COONa]_n$

Specifications

Standard	Based on API
Test Method	API 13A & ASTM
Appearance	White free flowing powder
Solubility in water	Soluble (20°C)
Active Matter (Purity), min. %	>80
Temperature stability (°C)	>150
Moisture content, max. %	10
Specific gravity (g/cm ³ at 20°C)	1.5 - 1.6
Degree of substitution (min.)	0.8
Apparent Viscosity (1% soln. max.)	30 cps
pH (1% soln. deionized water)	8.0 – 11.0
API Filtrate Volume (max. ml)	16
Sodium Chloride (NaCl content, max. %)	20
Plastic Viscosity in Fresh water (max.)	11 cps
Plastic Viscosity Saturated Salt water(max.)	13 cps
Yield Point Fresh Water (max.)	3 lb/100 sqft
Yield Point Saturated Salt water(max.)	4 lb/100 sqft

Packing and Storage

Carbotal PAC DUL is packaged in 25 kg or 50 lb. kraft paper bag or as per customer requirement

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).

The above information is best to our knowledge and provided for manufacturing purposes. Al Battal Factory for Chemical Industries Company makes no warranty or guarantee concerning the handling, use or application of such product whether alone or in combination with other products in case unexpected events occur. Users are advised to make their own tests to determine the suitability and performance of the product.

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