



■ USK – 10000 RT PAC R

DESCRIPTION

Being classified as Polyanionic Cellulose Regular (PAC R) by the industry, USK – 10000 RT is a high molecular weight, water soluble anionic polymer of sodium salt of carboxymethyl ether of cellulose, tailored for use in water based fluid systems for increasing viscosity and controlling filtration at the lowest rates. It is designed as per API RP 13 I & ISO 13500:2006.

TYPICAL PROPERTIES

Appearance	Free Flowing White to Creamish Powder
Moisture %	max. 10
pH (1%)	7 – 11

FUNCTION

The primary function of USK – 10000 RT is to improve the viscosity of the drilling fluid to the desired degree while controlling the water loss at the most possible low rates. By adding the product increased Apparent Viscosity and Yield Point is obtained, subsequently better and higher drill solids transfer capacity is established. It also provides shale inhibition as a protective colloid and improves the filtercake quality and stability between the wellbore and the formation.

FEATURES

USK – 10000 RT is an efficient viscosifier even at low concentrations applicable in Fresh water, Sea water and Salt Saturated water fluid systems. The product is resistant to bacterial degradation and compatible with other drilling fluid additives. USK – 10000 RP is recommended for use also in high temperature and high pressure surroundings.

PERFORMANCE

Apparent Viscosity* (cPs)	min. 35
Filter Loss* (ml)	max. 25

* As referenced in API

CONCENTRATION

The recommended initial treatment for USK – 10000 RT is from 0.5 to 2 lb/bbl (1.5 to 5.7 kg/m³) depending on the salt level, other solid content and water quality.

LIMITATIONS

Elevated temperatures will reduce the viscosity of the fluid containing USK – 10000 RT. To avoid the thermal thinning, using an oxygen scavenger or a thermal stabilizer is recommended in excess of 120°C (250°F) in order to protect the polymer.

MIXING

USK – 10000 RT should be added to the solution by using high speed conventional mixers at a uniform rate and slowly in order to avoid lumping or fish eye formation and delayed dispersion.



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HANDLING

USK – 10000 RT is non toxic for environment and not a dangerous material for transport regulations. The product is packed in 25kg moisture proof kraft paper bags and should be stored cool indoors.