

PALAYESH PARAFFIN KHAVARAN

PRODUCT DATA SHEET

PRODUCT GROUP	DRILLING FLUID ADDITIVES	PRODUCT NAME
DRILLING FLUID ADDITIVES	LOST CIRCULATION MATERIALS	PK-LCM

PRODUCT

Khavaran Paraffin offers the industry's most extensive line of lost circulation materials (LCMs) engineered specifically to seal costly loss zones. Our comprehensive suite of LCMs includes an engineered approach to the design and application of plugs and bridging agents.

APPLICATION

KP-LCM forms a physical and chemical bond with permeable formations, creating an effective seal to prevent the passage of drilling fluid. With a unique blend of strength, flexibility, bonding and high-temperature capability, KP-LCM adds properties that increase performance in cementing and drilling fluids in a way no other single additive can.

ADVANTAGES

HP/HT wells, Adding KP-LCM to WBM or OBM strengthens the well by:

- Prevents lost circulation
- Supports compressive strength development
- Prevents differential sticking
- Reduces or eliminates lost circulation
- Provides wellbore strengthening matrix
- Strengthens cement bonds shales and sands
- Minimizes HSE risks

PACKING

Khavaran Paraffin offers a full range of KP-LCM in a variety of packaging formats. These include: bulk liquid (via tank truck or railcar), and brand new or used drums.

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Gilsonite Specification

NO	TEST	RESULT	TEST METHOD
1	ASH CONTENT,WT%	5	ASTM-D3174
2	MOISTURE CONTENT,WT%	1%	ASTM-D3173
3	VOLATILE MATTER,WT%	63	ASTM-D3175
5	SOLUBILITY IS CS ₂ ,WT%	81	ASTM-D4
6	SPECIFIC GRAVITY @25 C	1.11	ASTM-D3289
7	NORMAL HEPTHAN INSOLUBLES,WT%	79	ASTM-D3279
8	COLOR IS MASS	Black	-----
9	COLOR IN STREAK OR POWDER	Black	-----
10	SOFTENING POINT,C	210	ASTM-D36
11	PENETRATION @25C	0	ASTM-D5

ELEMENT ANALYSIS

NO	TEST	RESULT	TEST METHOD
1	CARBON,WT%	84	ASTM-D5291
2	HYDROGEN,WT%	7.1	ASTM-D5291
3	NITROGEN,WT%	3.67	ASTM-D5291
4	OXYGEN,WT%	3.1	ASTM-D5291
5	SULPHURE,WT%	4	LECO(S)ANALYZER

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