



## Technical Data Sheet (TDS) — Cable Jelly

**Product Name:** Cable Jelly

**Supplier:** Basekim Chemical Production Co., UAE / Turkey

### Product Description

Cable Jelly is a moisture-blocking compound made from a stable mixture of solid, semi-solid, and liquid hydrocarbons. Free from impurities and odors, used inside cable jackets and fiber optic cable cores to prevent water ingress and prolong cable life.

### Applications

- Plastic insulated telephone / copper cables
- Fibre optic cable cores (where water blocking is needed)
- Cable jacketing and filling applications
- Waterproof / moisture barrier duties in cable manufacturing

### Key Features & Benefits

- Excellent moisture sealing and blocking properties
- Non-conductive, stable under ambient and elevated temperatures (within spec)
- Neutral odor, clean formula to avoid interfering with communication signals
- Good consistency, neither too runny nor too hard; remains in place but fills voids
- Available packing suited for industrial handling (steel drums, flexi tanks)

### Typical Properties (Subject to Batch / Grade)

Property	Typical Value / Range*
Softening / Drop Point	~40-60 °C
Oil / Liquid fraction ratio	Adjusted so jelly remains pliable without leakage
Density at ambient	~0.90-0.95 g/cm <sup>3</sup>
Penetration or consistency (e.g., cone penetration)	Medium range (firm enough to stay in place, soft enough to fill voids)
Odor	Neutral to mild, not offensive



Property	Typical Value / Range*
Appearance	Homogenous, translucent/semi-opaque jelly/paste consistency
Thermal Stability	Stable under cable operating temperature (specify your max)
Water Resistance	Does not dissolve or migrate under moisture / water exposure
Flash Point (molten or heated)	>200 °C (if molten); otherwise not relevant for solid/semi-solid state

### Packaging

- Steel drums
- Flexi tanks (for large scale)
- Clean, sealed containers to avoid contamination

### Storage & Handling

- Store in clean, dry warehouse; avoid direct heat and sunlight
- Keep containers sealed to avoid dust and moisture ingress
- Use clean equipment to dispense; avoid mixing with incompatible materials

### Quality & Certification Notes

- Each batch should come with: Certificate of Analysis covering softening point / drop point, consistency / penetration, density, odor, purity (free of water), flash point if relevant
- For cable communication use, ensure compatibility (dielectric properties, non-conductivity)