CABLE-FILLING COMPOUNDS

Penreco® has been manufacturing telephone cable fillers and flooding compounds for more than 40 years. In the early 1970s, we worked with Bell Laboratories to develop the first-generation materials to be used in the United States. We provide cable manufacturers with cost-effective methods for waterproofing copper telephone cables.

In addition to cable fillers, Penreco is a manufacturer of highly-refined petrolatums and mineral oils, which are the major components of cable fillers and flooding compounds. These materials have excellent dielectric properties and oxidative stability. Since the cable fillers are composed primarily of saturated hydrocarbons, they are extremely hydrophobic and repel moisture that might enter cables.

Penreco offers EXK 443 which has a rubbery feel at room temperature and remains somewhat flexible at low temperatures. We also manufacture EXK 504 HMP, a flooding compound that provides good adhesion between cable components outside of the core. Cable fillers can be melted in the temperature range of 210 °F to 240 °F and flooded into cables as relatively low viscosity fluids. These products are non-hazardous at room temperature, but normal precautions of handling hot materials must be followed. Our products are available in drums, tank trucks or railcars.

PRODUCT SPECIFICATIONS

Product Material Name	Product	VISCOSITY @ 110 °C (cPs) ASTM D2669	VISCOSITY @ 120 °C (cPs) ASTM D2983	Flashpoint, COC (°F) ASTM D92 (Typical)	MELTING POINT (°F) ASTM D127 (Typical)
EXK 443-B	Extended-thermoplastic rubber	30.00 - 40.00	–	460	212.0
EXK 443-D	Extended-thermoplastic rubber	30.00 - 40.00	–	460	212.0
EXK 504 HMP	Flooding compound	–	100 - 380	565	217.0

Product Specifications are subject to change. All product sales are subject to the applicable terms and conditions.

TECHNICAL ASSISTANCE

For product or technical questions, contact your Sales Representative or Calumet Product Support at (800) 437-3188 or email technical@calumet.com.

Download a digital copy of this brochure.

penreco®

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