

CP-4780-5

PRODUCT DESCRIPTION

CP-4780-5 is used in convection and forced-cooled pipe cable systems. It is also widely used in self-contained cable systems due to its high resistance to gassing under electrical stress. CP-4780-5 is based on synthetic alkyl benzene, which has the following advantages:

- Low power factor
- High volume resistivity
- Excellent oxidation stability
- Excellent resistance to gassing under electrical stress
- Non-toxic
- Low weight loss under vacuum
- High dielectric strength
- No pumping problems
- High water tolerance
- Compatible with polybutene or mineral oil
- High auto ignition point

TYPICAL PROPERTIES*	CP-4780-5
Viscosity @ 40°C, cSt, ASTM D445	5.5
Viscosity @ 100°F	5.25
Flash Point, C.O.C., °F (°C) ASTM D92	275(135)
Pour Point °F (°C) ASTM D97	-58(-50)
Viscosity Index ASTM D2270	-33.0
Density, lb/gal, 60°F	7.24
Specific Gravity, ASTM D1298	0.87

ELECTRICAL PROPERTIES

Power factor, 60 Hz, 100°C	D-924
Initial	0.0005
After heating 96 hrs. 115°C	D-1934 (Procedure A) 0.0005
Resistively, ohm-cm, 100°C	D-1169, D-257
Initial	1x10 ¹⁵

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After heating 96 hrs. 115°C	D-1934 (Procedure A)	5x10 ¹⁴
Dielectric Strength, kV, 25°C	D-877	>35
Dielectric Constant, 60 HZ, 100°C	D-924	2.1
Gassing Under Electrical Stress		
Pirelli, Microliters/Minute	D-2300 (Procedure B)	<-10

*These Values are not intended for use in preparing specifications.

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