

Product Data Sheet

Witcogel® TCV 98 R Telephone Cable Compound

Product Description

TCV 98 R has been developed for applications in using liquid techniques. When applied at temperatures of min. 95°C, cable will pass drainage test at 80°C, depending among others on filling temperatures, conductor/cable diameter and other filling conditions.

Physical Properties

Properties	Unit	Method	Specification	Typical
Viscosity at 120°C	mm ² /s	ASTM D 445	120-150	135
Colour		ASTM D 1500	Max. 2.0	1.0
Drop Point	°C	IP 31 *	90-105	100
Drop Melting Point	°C	ASTM D 127	95-105	104
Cone Penetration at 25°C	0.1 mm	ASTM D 937	30-50	45
COC Flash Point	°C	ASTM D 92	Min. 240	250
Dissipation Factor at 25°C	1 MHz	ASTM D 150	<0.0015	0.0010
Volume Resistivity at 100°C	Gohm.m	ASTM D 1169	Min. 1000	1500
Di-Electric Constant, 25°C 1MHz		ASTM D 150	Max. 2.3	2,21
Simulated Cable Flow Test				
24 hr at 65-80 °C		REA PE 39	pass	pass
PE Absorption, 1d/70°C, MDPE	%	FTZ 72 TV-1	max. 10	6
Acid Value	mgKOH/g	IEC 538 B CI 7	max. 0.05	max. 0.05

*) sample conditioned according to
ASTM D 937

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