

Product Data Sheet

Witcogel® TCV 75 Telephone Cable Compound

Product Description

TCV 75 telephone cable compound has been developed especially in order to meet a drain-test at 50-65°C (122-149°F), depending among others on filling temperatures, conductor/cable diameter and other filling conditions.

Owing to the minimum Drop Melting Point of 80°C (176°F), TCV 75 is recommended for use in cables destined for tropical and sub-tropical regions. Moreover, it meets the requirements of the BPO, Bundespost, France Telecom and others, making it a very universal filling compound. It easily can be filled into the cable in solid state at temperatures of about 30-40°C (86-104°F) below the melting point and in liquid state just above the melting point.

Properties	Unit	Method	Specification	Typical
Viscosity at 100°C	mm ² /s	ASTM D 445	Min. 18	21
Colour		ASTM D 1500	Max. 5.0	4.0
Drop Melting Point	°C	ASTM D 127	Min. 73	75
Dropping Point, on a sample conditioned as for Cone Penetration (ASTM D 937)	°C	ASTM D 566 (DIN 51801 Bl. 1)	Min. 80	82
Cone Penetration at 25°C	0.1 mm	ASTM D 937	50-70	55
COC Flash Point	°C	ASTM D 92	Min. 230	290
Relative Permittivity at 20°C	50 Hz	ASTM D 150	Max. 2.3	2,25
Volume Resistivity at 100°C	Gohm.m	ASTM D 1169	Min. 20	150
Plasticity -10°C		IEC 811.5.6	Pass	Pass
Requirements Bundespost -VDE 0472/807/C Germany			Pass	Pass
Requirements M 142 BPO) Requirements RTT (Belgium)			Pass	Pass
Requirements FT NF C 93-526, Annex C			Pass	Pass

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