

Product Data Sheet

Witcogel® TCV 70 Telephone Cable Compound

▪ Product Description

TCV 70 telephone cable compound fully complies with among others the requirements for petrolatum jelly as prescribed in the B.P.O. specification M 142 and also meets the requirements of the "Deutsche Bundespost". TCV 70 is suitable for cold-filling techniques

▪ Physical Properties

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	--	78
Dropping Point, on a sample conditioned as for Cone Penetration (ASTM D 937)	°C	ASTM D 566 (DIN 51801 Bl. 1)	Min. 73	77
Cone Penetration at 25°C	0.1 mm	ASTM D 937	70-90	76
COC Flash Point	°C	ASTM D 92	Min. 230	280
Relative Permittivity at 20°C	50 Hz	ASTM D 150	Max. 2.3	2.24
Volume Resistivity at 100°C	Gohm.m	ASTM D 1169	Min. 20	200
Plasticity -10°C		IEC 811.5.6	pass	pass
Requirements Bundespost - VDE 0472/807/C Germany			pass	pass
Requirements M 142 (BPO)			pass	pass
Requirements RTT (Belgium)			pass	pass
Requirements FT NF C 93-526, Annex C			pass	pass

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