

Product Data Sheet

Witcogel® TCV 85 R Telephone Cable Compound

Product Description

TCV 85 R has been developed in order to meet all the requirements outlined in the REA Specification PE-39, pertaining to compounds used in filled telephone cables.

Physical Properties

Properties	Unit	Method	Specification	Typical
Viscosity at 120°C	mm ² /s	ASTM D 445	Min. 20	23
Colour		ASTM D 1500	Max. 2.5	1.5
Drop Melting Point	°C	ASTM D 127	Min. 90	102
Cone Penetration at 25°C	0.1 mm	ASTM D 937	35-50	43
COC Flash Point	°C	ASTM D 92	Min. 240	250
Relative Permittivity at 20°C	1 MHz	ASTM D 150	Max. 2.3	2.19
Volume Resistivity at 100°C	Gohm.m	ASTM D 1169	Min. 20	1200
Dissipation Factor at 25°C	1 MHz	ASTM D 1169	<0.0015	0,0010
Simulated Cable Flow Test 24 hr/65° C		REA-PE 39	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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