

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

Revision date: December 1, 2010

The information presented herein is based on the best data available and is believed to be correct. However, nothing stated in this bulletin is to be taken as a warranty, expressed or implied, regarding the accuracy of the information or the use of our product or products; nor shall anything contained herein be constructed to constitute a permission or recommendation to practice any invention covered by a patent owned by Sonneborn Refined Products B.V., any of its division, or by other, without a license from the owner of the patent.