

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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