



## Technical data sheet

### RADIPOL CS38 TX (WA/NW)

Codice Parte (Part Code): 0A934MLX2066C00

#### Physical Properties

|                                  | note    | Unit  | Method  | Dry state | Conditioned state |
|----------------------------------|---------|-------|---------|-----------|-------------------|
| Density                          |         | Kg/m3 | ISO1183 |           | 1140              |
| Moisture absorption              |         | %     | ISO 2   | 6         | 3                 |
| Water absorption, immersion 23°C | 2mm thk | %     | ISO62   |           | 10,2              |
| Relative Viscosity H2SO4 96%     | 2mm thk | -     | MAR01   |           | 3,55~3,95         |
| Ashes                            |         | %     | CH24    |           | <0,01             |

#### Mechanical Properties

|                                |          | Unit  | Method       | Dry state | Conditioned state |
|--------------------------------|----------|-------|--------------|-----------|-------------------|
| Tensile Modulus                | 1mm/min  | MPa   | ISO 527-2/1A | 2300      |                   |
| Stress at Yield                | 50mm/min | Mpa   | ISO 527-2/1A | 55        |                   |
| Yield Strain                   | 50mm/min | %     | ISO 527-2/1A | 4         |                   |
| Nominal Strain at break        | 50mm/min | %     | ISO 527-2/1A | >50       |                   |
| Flexural Modulus               | 2mm/min  | MPa   | ISO178       | 1750      |                   |
| Flexural Strength              | 2mm/min  | MPa   | ISO178       | 65        |                   |
| Charpy Notched Impact Strength | +23°C    | KJ/m2 | ISO 178/1eA  | 5,5       |                   |
| Charpy Notched Impact Strength | -30°C    | KJ/m2 | ISO 178/1eA  | 4         |                   |

#### Thermal Properties

|                             |          | Unit | Method         | Dry state | Conditioned state |
|-----------------------------|----------|------|----------------|-----------|-------------------|
| Melting Temperature         | 10°C/min | °C   | ISO11357-1-3   |           | 195               |
| Heat Deflection Temperature | 1,8MPa   | °C   | ISO75/2 A f    |           | 50                |
| Vicat Softening Temperature | 50°C/h   | °C   | ISO306/B50 50N |           | 70                |

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### Flammability Properties

|                                  |           | Unit   | Method          | Dry state | Conditioned state |
|----------------------------------|-----------|--------|-----------------|-----------|-------------------|
| Flammability                     | 0,8 mm    | class  | UL 94           | HB        |                   |
| Glow wire flammability Index     | 2 mm      | °C/mm  | IEC 60695-2-1/2 | 650       |                   |
| Automotive interior flammability | Burn rate | mm/min | FMVSS302        | <10       |                   |

### Electrical Properties

|                            |       | Unit   | Method    | Dry state | Conditioned state |
|----------------------------|-------|--------|-----------|-----------|-------------------|
| Volume resistivity         | 500V  | ohm xm | IEC 60093 | 1E+13     | 1E+11             |
| Surface resistivity        | 500V  | ohm    | IEC 60093 | 1E+12     | 1E+10             |
| Comparative Tracking Index | Sol.A | V      | IEC 60112 | 600       |                   |

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#### Notes:

The information provided in this documentation corresponds to our knowledge on the subject at the date of this publication.

The data provided reflects the average values of the properties, this data may not be valid for such material used in combination with any other materials or additives or in any process, unless expressly indicated otherwise. The data should not be used to establish specification limits. Radici Fil makes no warranties and assumes no liability in connection with any use of this information.

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