

# TechnoFin PP EPDM 8

Polypropylene + EPDM Rubber

TechnoCompound GmbH

## Message:

Ranging from commodity to tailor-made compound

| General Information                         |                               |                        |              |
|---------------------------------------------|-------------------------------|------------------------|--------------|
| Filler / Reinforcement                      | Filler, 8.0% filler by weight |                        |              |
| Appearance                                  | Black                         |                        |              |
|                                             | Available colors              |                        |              |
|                                             | Natural color                 |                        |              |
| Physical                                    | Nominal Value                 | Unit                   | Test Method  |
| Density                                     | 0.950                         | g/cm <sup>3</sup>      | ISO 1183     |
| Melt Volume-Flow Rate (MVR) (230°C/2.16 kg) | 35.0                          | cm <sup>3</sup> /10min | ISO 1133     |
| Hardness                                    | Nominal Value                 | Unit                   | Test Method  |
| Ball Indentation Hardness                   | 37.0                          | MPa                    | ISO 2039-1   |
| Mechanical                                  | Nominal Value                 | Unit                   | Test Method  |
| Tensile Modulus                             | 1200                          | MPa                    | ISO 527-2/1  |
| Tensile Stress                              |                               |                        |              |
| Yield                                       | 22.0                          | MPa                    | ISO 527-2/50 |
| Fracture                                    | 21.6                          | MPa                    | ISO 527-2/5  |
| Tensile Strain                              |                               |                        |              |
| Yield                                       | 7.0                           | %                      | ISO 527-2/50 |
| Fracture                                    | 28                            | %                      | ISO 527-2/5  |
| Flexural Modulus <sup>1</sup>               | 1180                          | MPa                    | ISO 178      |
| Flexural Stress <sup>2</sup>                | 29.0                          | MPa                    | ISO 178      |
| Impact                                      | Nominal Value                 | Unit                   | Test Method  |
| Charpy Notched Impact Strength              |                               |                        | ISO 179/1eA  |
| -30°C                                       | 6.8                           | kJ/m <sup>2</sup>      | ISO 179/1eA  |
| 23°C                                        | 8.0                           | kJ/m <sup>2</sup>      | ISO 179/1eA  |
| Charpy Unnotched Impact Strength            |                               |                        | ISO 179/1eU  |
| -30°C                                       | 51                            | kJ/m <sup>2</sup>      | ISO 179/1eU  |
| 23°C                                        | No Break                      |                        | ISO 179/1eU  |
| Thermal                                     | Nominal Value                 | Unit                   | Test Method  |
| Heat Deflection Temperature                 |                               |                        |              |
| 0.45 MPa, not annealed                      | 102                           | °C                     | ISO 75-2/B   |
| 1.8 MPa, not annealed                       | 57.0                          | °C                     | ISO 75-2/A   |
| Electrical                                  | Nominal Value                 | Unit                   | Test Method  |

|                     |            |      |           |
|---------------------|------------|------|-----------|
| Surface Resistivity | 1.0E+13    | ohms | IEC 60093 |
| NOTE                |            |      |           |
| 1.                  | 2.0 mm/min |      |           |
| 2.                  | 2.0 mm/min |      |           |

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