

# EMOPLLEN® A 1102 T4

Polypropylene

EMAS Plastik San.Tic.AS.

Message:

Polypropylene %40 talcum filled

| General Information                               |                         |                   |             |
|---------------------------------------------------|-------------------------|-------------------|-------------|
| Filler / Reinforcement                            | Talc                    |                   |             |
| Uses                                              | Automotive Applications |                   |             |
| Physical                                          | Nominal Value           | Unit              | Test Method |
| Density                                           | 1.24 to 1.30            | g/cm <sup>3</sup> | ISO 1183    |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)         | 9.0 to 13               | g/10 min          | ISO 1133    |
| Molding Shrinkage                                 | 0.80 to 0.90            | %                 |             |
| Hardness                                          | Nominal Value           | Unit              | Test Method |
| Shore Hardness (Shore D)                          | 65 to 70                |                   | ISO 868     |
| Mechanical                                        | Nominal Value           | Unit              | Test Method |
| Tensile Modulus                                   | 3000 to 5000            | MPa               | ISO 527-2   |
| Tensile Stress (Yield)                            | 30.0 to 50.0            | MPa               | ISO 527-2   |
| Tensile Strain (Break)                            | > 4.0                   | %                 | ISO 527-2   |
| Impact                                            | Nominal Value           | Unit              | Test Method |
| Notched Izod Impact Strength                      | > 3.0                   | kJ/m <sup>2</sup> | ISO 180/1A  |
| Thermal                                           | Nominal Value           | Unit              | Test Method |
| Heat Deflection Temperature (1.8 MPa, Unannealed) | 110                     | °C                | ISO 75-2/A  |
| Vicat Softening Temperature                       | 105                     | °C                | ISO 306/B   |
| Melting Temperature (DSC)                         | 160                     | °C                | ISO 3146    |

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