

## Technical Data Sheet

### Moplen 2000HEXP

Polypropylene, Impact Copolymer

#### Product Description

Moplen 2000HEXP is a medium fluidity heterophasic copolymer grade for injection moulding applications. It exhibits an excellent impact performance, particularly at low temperature, combined with a good processability. Moplen 2000HEXP can be used in luggage, closures and it is an ideal building block for technical compounding. It offers a good solution for interior and exterior parts in Automotive compounds. It is not intended for medical and pharmaceutical applications. The grade is available in natural, pellet form.

|                   |                                         |
|-------------------|-----------------------------------------|
| Application       | Automotive Parts; Luggage               |
| Market            | Compounding; Rigid Packaging            |
| Processing Method | Compounding; Injection Molding          |
| Attribute         | Block Copolymer; High Impact Resistance |

| Typical Properties                                        | Nominal Value | Units             | Test Method   |
|-----------------------------------------------------------|---------------|-------------------|---------------|
| <b>Physical</b>                                           |               |                   |               |
| Melt Flow Rate, (230 °C/2.16 kg)                          | 16            | g/10 min          | ISO 1133-1    |
| Density                                                   | 0.89          | g/cm <sup>3</sup> | ISO 1183-1    |
| <b>Mechanical</b>                                         |               |                   |               |
| Flexural Modulus                                          | 1000          | MPa               | ISO 178       |
| Tensile Modulus                                           | 1000          | MPa               | ISO 527-1, -2 |
| Tensile Stress at Break                                   | 14            | MPa               | ISO 527-1, -2 |
| Tensile Stress at Yield                                   | 19            | MPa               | ISO 527-1, -2 |
| Tensile Strain at Break                                   | 100           | %                 | ISO 527-1, -2 |
| Tensile Strain at Yield                                   | 5             | %                 | ISO 527-1, -2 |
| <b>Impact</b>                                             |               |                   |               |
| Charpy Impact Strength - Notched                          |               |                   |               |
| (23 °C, Type 1, Edgewise, Notch A)                        | 17            | kJ/m <sup>2</sup> | ISO 179       |
| (0 °C)                                                    | 10            | kJ/m <sup>2</sup> | ISO 179       |
| (-20 °C, Type 1, Edgewise, Notch A)                       | 8             | kJ/m <sup>2</sup> | ISO 179       |
| <b>Thermal</b>                                            |               |                   |               |
| Vicat Softening Temperature, (A50)                        | 140           | °C                | ISO 306       |
| Deflection Temperature Under Load, (0.45 MPa, Unannealed) | 84            | °C                | ISO 75B-1, -2 |
| DSC Melting Point                                         | 163           | °C                | DSC           |