

# MAJ'ECO DP394WT

Polypropylene

AD majoris

## Message:

MAJ'ECO DP394WT is a natural fibre reinforced polypropylene compound intended for injection moulding.  
MAJ'ECO DP394WT has been developed especially for demanding applications in various engineering sectors.

### APPLICATIONS

Product such as:

Boxes

Racks

Technical components

| General Information                       |                                   |                   |                 |
|-------------------------------------------|-----------------------------------|-------------------|-----------------|
| Filler / Reinforcement                    | Natural fiber reinforced material |                   |                 |
| Features                                  | Updatable resources               |                   |                 |
|                                           | Recyclable materials              |                   |                 |
| Uses                                      | Bracket                           |                   |                 |
| Forms                                     | Particle                          |                   |                 |
| Processing Method                         | Injection molding                 |                   |                 |
| Physical                                  | Nominal Value                     | Unit              | Test Method     |
| Density                                   | 1.04                              | g/cm <sup>3</sup> | ISO 1183        |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 10                                | g/10 min          | ISO 1133        |
| Molding Shrinkage (2.00 mm)               | 1.3 - 1.9                         | %                 | Internal method |
| Mechanical                                | Nominal Value                     | Unit              | Test Method     |
| Tensile Modulus                           | 2950                              | MPa               | ISO 527-2/1     |
| Tensile Stress (Break)                    | 26.0                              | MPa               | ISO 527-2/50    |
| Tensile Strain (Break)                    | 3.0                               | %                 | ISO 527-2/50    |
| Flexural Modulus <sup>1</sup>             | 2350                              | MPa               | ISO 178         |
| Flexural Stress <sup>2</sup>              | 50.0                              | MPa               | ISO 178         |
| Impact                                    | Nominal Value                     | Unit              | Test Method     |
| Charpy Notched Impact Strength (23°C)     | 3.5                               | kJ/m <sup>2</sup> | ISO 179/1eA     |
| Charpy Unnotched Impact Strength (23°C)   | 14                                | kJ/m <sup>2</sup> | ISO 179/1eU     |
| Thermal                                   | Nominal Value                     | Unit              | Test Method     |
| Heat Deflection Temperature               |                                   |                   |                 |
| 0.45 MPa, not annealed                    | 146                               | °C                | ISO 75-2/B      |
| 1.8 MPa, not annealed                     | 93.0                              | °C                | ISO 75-2/A      |
| Flammability                              | Nominal Value                     | Test Method       |                 |
| Flame Rating                              | HB                                | UL 94             |                 |
| Injection                                 | Nominal Value                     | Unit              |                 |
| Drying Temperature                        | 100                               | °C                |                 |

|                                                       |             |    |
|-------------------------------------------------------|-------------|----|
| Drying Time                                           | 4.0         | hr |
| Processing (Melt) Temp                                | 150 - 190   | °C |
| Mold Temperature                                      | 30.0 - 50.0 | °C |
| Injection Rate                                        | Moderate    |    |
| Injection instructions                                |             |    |
| Holding pressure: 50 to 70% of the injection pressure |             |    |
| NOTE                                                  |             |    |
| 1.                                                    | 2.0 mm/min  |    |
| 2.                                                    | 2.0 mm/min  |    |

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