



**ADDIPLAST GROUP**  
EN MATIÈRE D'INNOVATION

# **ADDIBIO** RENEW<sup>®</sup>

## **STRUCTURAL & AESTHETIC SOLUTIONS**

Lightweighting  
solutions for  
transportation



E N M A T I È R E D ' I N N O V A T I O N

## Structural material **ADDIBIO GJI 52066** RENEW®

- PP Compound filled with 30% of natural fibers
  - Low emission, low odour
  - Suitable for interior parts

| PROPERTIES       | NORMS               | STANDARDS           | UNITS             | ADDIBIO<br>RENEW®<br>GJI 52066 | PP GF20<br>H511V20 |      |
|------------------|---------------------|---------------------|-------------------|--------------------------------|--------------------|------|
| Physico-chemical | Density             | ISO 1183-1 Method A | g/cm <sup>3</sup> | 0.99                           | 1.03               |      |
|                  | HDT                 | ISO 75-2/Af         | °C                | 110                            | 130                |      |
| Thermal          | Vicat Softening T°C | ISO 306/A50         | °C                | 155                            | 160                |      |
|                  | Mechanical          | Flexural            | Flexural Modulus  | ISO 178                        | MPa                | 3900 |

## Aesthetic material **ADDIBIO GEI 52009 & GEI 52021** (improved stability) RENEW®

- PP compound filled with 20% of natural fibers
  - Better scratch resistance
  - Matt effect
  - Soft touch

| PROPERTIES       | NORMS            | STANDARDS           | UNITS             | ADDIBIO<br>RENEW®<br>GEI 52009<br>GEI 52021 | P/E MD20<br>PMD 50213 |      |
|------------------|------------------|---------------------|-------------------|---|-----------------------|------|
| Physico-chemical | Density          | ISO 1183-1 Method A | g/cm <sup>3</sup> | 0.97  | 1.04                  |      |
|                  | Thermal          | HDT                 | ISO 75-2/Af       | °C  | 65                    | 80   |
| Mechanical       |                  | Flexural            | Flexural Modulus  | ISO 178                                     | MPa                   | 1650 |
|                  | Charpy unnotched |                     | ISO 179-1/1eU     | kJ/m <sup>2</sup>                           | 30                    | 57   |
|                  | Impact Strength  | Charpy notched      | ISO 179-1/1eA     | kJ/m <sup>2</sup>                           | 6                     | 6    |
|                  |                  | Izod notched        | ISO 180/1A        | kJ/m <sup>2</sup>                           | 6                     | 5.5  |
|                  | Hardness         | Shore D             | ISO 868           | -   | 70                    | 68   |

**WEIGHT REDUCTION, NATURAL FIBERS,  
LOCAL PRODUCTION, NO FOOD RESSOURCES,  
LOWER CARBON FOOTPRINT, RECYCLING**