



## **TECHNICAL DATA SHEET**

**Grade: PLA031**

### **COMPOSITION / INFORMATION ON THE COMPONENTS**

CHEMICAL NAME: POLYLACTIDE RESIN

CAS No. 9051-89-2

### **PHYSICO-CHEMICAL PROPERTIES**

Density: 1.24 g/cm<sup>3</sup>

Melt Flow Index (MFR) g/10 min. 8

Relative viscosity 4

Melt temperature 210°C

Tensile Yield Strength, psi (MPa) 9,300 (64)

Tensile Elongation, % 3.6

Notched Izod Impact, ft-lb/in (J/m) 0.35 (18.7)

Flexural Strength, psi (MPa) 16,400 (113)

Flexural Modulus, psi (MPa) 528,000 (3640)

Heat Distortion Temperature (°C) 66 psi (0.45 MPa) 54

Molded Linear Shrinkage, % 0.3-0.4

Physical state: Solid

Appearance: white pellets.

Color: white

Odor: Sweet

pH: Not applicable

Vapor pressure: Not determined

Vapor density: Not determined

Evaporation rate: Not determined

Decomposition temperature: 482F (250C)

Boiling point / boiling range: Not applicable

Melting point / melting range: 150-180C (302- 356F), Tg (Glass Transition Temperature): 55-60C (131-140F)

### **PACKAGING:**

Big bags or octabins

### **TRANSPORT AND STORAGE CONDITIONS:**

Cool and dry place



## **POLIMERUS ELASTOMEROS Y POLIMEROS, S.L.**

Fraguas, 20 Pol. Ind. Urtinsa Alcorcón 28923 Madrid SPAIN

Tel. +34 91 152 92 95 - E-mail: [polimerus@polimerus.com](mailto:polimerus@polimerus.com)

- [www.polimerus.com](http://www.polimerus.com)

