

Evolvecomp™ materials are biocompatible composite materials composed of bioresorbable matrix polymer reinforced with ultra-thin bioresorbable and bioactive natural mineral glass fibers. Evolvecomp™ materials are manufactured by using the ABMcomposite technology that ensures good adhesion between the matrix polymer and reinforcing fiber.

Description

Composite pellet composed of 70L/30DL PLA and bioresorbable glass fibers, IV 2.0

Property, Test Condition	Specification	Test method
Specification		
Appearance, colour	Opaque white, white	Visual
Appearance, shape	Pellets	Visual
Inherent viscosity of polymer	≥ 1.6 dl/g	Microviscometry
Residual lactide monomer content	≤ 0.5 wt-%	Gas Chromatography (GC)
Glass content	40 ± 5 wt-%	Ignition loss
Total heavy metal content	≤ 10 ppm (minus Sn)	ICP-MS
Tin content	≤ 100 ppm	ICP-MS

Certificate of analysis is provided for each batch, showing the analytical results.

Packaging

Pellets are packaged in to a double polymer pouch. Outer pouch contains aluminum barrier layer. Maximum amount in a package is 1 kg.

Storage and Handling

Pellets to be stored below or at -15 °C temperature.

DISCLAIMER: Determining the suitability of these materials for any applications, complying with legal requirements for any such applications, are the sole responsibility and obligation of anyone purchasing these materials for such applications. The information in this Data Sheet is given according to our best knowledge at the date shown in header. This data sheet is for informative purpose only and all specifications need to be discussed and agreed with Arctic Biomaterials Oy separately.

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