

Biodegradable Bottle made of Biodegradable Resin with Nano Cellulose Composite Material (no petroleum, 100% Nature derived Biomass Material)

Recently, destroying ecology and environmental by plastic pollution is getting severe in the world and especially microplastic problem in the marine environment is becoming a devastating issue. It is predicted that the amount of plastic garbage will be more than that of fish in the world by 2050. There are some scientific report that these microplastic is already in our human body which should had come from our surrounding environment.

In this regard, we have successfully made of biodegradable resin with nano cellulose composite material (no petroleum, 100% nature derived biomass material, PLA : poly lactic acid base). By making PLA composite material with nano cellulose, mechanical strength is stronger compared to the same shaped bottle made of only PLA. Bottles have been made with blow molding manufacturing process. For example, we can make PET bottle shaped biodegradable bottle (no petroleum, 100% nature derived biomass material). Not to mention we can make various shape of biodegradable bottle with same material.

We are planning to make lid with same material. In addition, we are planning to further improve strength and gas barrier property.

Please consult with us anytime including technical detail and shape of bottle, container you would like to make.

GS *TECHNICAL INFORMATION*



Green Science Alliance Co., Ltd. (Fuji Pigment Co.,Ltd Group Company)
2-22-11 Obana, Kawanishi, Hyogo 666-0015 JAPAN
Phone: +81-72- 759-8501 / 8543 Facsimile: +81-72- 759-9008
Web : <http://www.gsalliance.co.jp/>