VG7234U

Technical Datasheet

VeryGreen™ VG7234U resin is a PLA compound for blowing or casting film. The film made by VG7234U will be degraded by compose.

Property	Test Method	Unit	Value
MECHANICAL			
Tensile Modulus MD	ASTM D882	kg/cm^2	13000
Tensile Modulus TD	ASTM D882	kg/cm^2	10000
Tensile Strength MD	ASTM D882	kg/cm^2	350
Tensile Strength TD	ASTM D882	kg/cm^2	170
Elongation (at break) MD	ASTM D882	%	230
Elongation (at break) TD	ASTM D882	%	450
Falling Dart Impact	ASTM D1709	g	980
PHYSICAL			
Specific Gravity	ASTM D792	-	1.23
Melt Flow Rate (190˚C/2.16Kg)	ASTM D1238	g/10min	4
Hardness	ASTM D2240	Shore-D	48

(1)Values shown are based upon specific condition. Variations within normal tolerances are possible for various colors. Actual properties of individual batches will vary within specification limits.

Packaging and Drying

Water contain of VeryGreen™ will affect the molding process the mechanical properties of end products. The moisture level of each VeryGreen™ resin is controlled under 0.1% (1000 ppm) before packaging. Drying of VeryGreen™ before process is necessary.

The available packages of VeryGreen™ resins are shown in the following table. Special package can supplied upon request. Each package will be attached tag which shows the product grade, the lot number, the net weight. The products will be stacked on pallet. Maximum weight of each pallet is 1,000 kg.

	25	500	750	1,000
Paper bag *1				
Aluminum foil	●			
Bulk bag *2				
Paper box				

(1) Polyethylene laminated for interior layer.
(2) Polypropylene woven bag

The drying condition is recommended by 80°C for 2-4 hours. Insufficient drying will cause die drool, rough surface appearance, reduced output, and low mechanical properties. Streaks can be caused by overheating of the material or long time remaining in the barrel.

Storage

Please store VeryGreen™ resins indoor with room temperature. Avoid to be in touched with water, oil or solvent. Some high purity grades of VeryGreen™ must be stored under low dusty environment. The dust of package may cause contamination when it be opened.

Although VeryGreen™ resins are thermoplastic polymer, long term storage is not recommended. The normal storage warranty will be 2 years.

Regrind

VeryGreen™ resins are thermoplastic materials. Sprues, runners or side sheets are possible to be reprocessed. The regrinds must be clean, low thermally degraded and well dried. The acceptable level of regrind depends on the application. Be aware that regrind of purify grades is not recommended for original application.

Product Safety

For the safety properties of the material, we refer to our SDS which can be requested from our sales offices.

During practical operation we advise to wear personal safety protections for hand, eye, and body.

Caution! Handling or processing the resins may generate a dust which can cause irritation of the eye, skin, nose and throat.

For Additional Information

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