

ECOGEHR PLA-LF[®]

1. Manufacturer

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2. Product description

Article:	Standard semi-finished product
Abbreviation	PLA-LF
Material characterisation	Thermoplastics
Main components	Polyhydroxialkanoate, polyester, lignin, combination of cellulose, wood polyoses, natural resins/waxes, possible contains pigments, stabilizers and additives
Marking obligation components	none
Classification according REACH	Product

3. Product properties

Form / condition	Rods, hollow rods, profiles, sheets
Colour	nature, other colours possible
Odour	odourless or sweet, wood-like
Density	1,28 g/cm ³
Melting temperature	120 – 150 °C (248 – 302 ° F)
Thermal decomposition	-
Ignition temperature	not applicable
Solubility in water	insoluble
Risks	no special risks for humans or animals; standardisation safety procedures with handling of chemicals should be considered.

4. Handling and storage

Machining	The product can be machined with standard machinery and tools. Before machining the product should be stored at room temperature 24 h. Evacuate swarf to prevent slipping or tripping. Observe the maximum allowable concentration of dust levels on the working area which apply in your country. Wear safety goggles during machining. General dust limit value: Respirable dust (6 mg/m ³); Inhalable dust (10 mg/m ³).
Storage	The products shall be stored indoor to keep away from any source of degradation such as sunlight, UV-jets, ionizing radiation, chemicals, ...
Safety measures	the general industrial safety measures should be considered. A thermal damage during machining should be avoided.

5. Fire-fighting measures

Suitable extinguishing agents	Water spraying jet, foam, dry chemical, carbon dioxide (CO ₂).
Potential combustion products	Carbon dioxide (CO ₂), carbon monoxide (CO), SO ₂ and volatile organic.
Special protective equipment	Wear a self-contained breathing apparatus. Work gloves are recommended.
Further information	Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

6. Disposal considerations

European waste catalogue	According to the "European Waste Catalogue and Hazardous Waste List" uncontaminated waste from the products is not classified as hazardous. Following code numbers can be used: 070213 waste plastic from manufacture, formulation, supply and use of plastics, 120105 plastic shavings and turnings 57129 other cured waste plastics (Austria)
Waste disposal	If recycling is not possible, waste disposal by landfill or incineration in compliance with state and local regulations.

7. Marking and guidelines

Marking in accordance with EEC guidelines	Not subject to labelling. The product is not a material in the sense of the chemical law and/or the dangerous material regulation in the at present valid support.
Other guidelines	none.
Transport regulations	Not classified as hazardous good under transport regulations.

8. Other information

According EG directive 1907/2006/EG (REACH), our products are clearly defined as articles, exempt from registration. The European regulation (EV) about chemicals, which came into force June 1st 2007, prescribes Material Safety Data Sheets (MSDS) only for dangerous substances and preparations. According REACH we are manufacturing articles and we are not required to issue MSDS.

All above mentioned information are based according to today's state of knowledge and supply no warranty of quality. Existing laws and regulations have to be observed by the recipient of our products on his own authority.