

Product Information

VESTAMID® LX9012 Bio30

HEAT- AND UV-STABILIZED, 30% BIO-BASED POLYAMIDE 12-COMPOUND

VESTAMID LX9012 Bio30 is a semi-crystalline, heat- and UV-stabilized compound based on PA12. The material was developed for the use in injection molding and is especially suitable for sport and lifestyle applications.

The semi-crystalline compound only absorbs small amounts of water. Therefore, components made of this material have excellent dimensional accuracy under changing ambient humidity and are durably scratch-resistant.

VESTAMID LX9012 Bio30 is delivered as cylindrical pellets in ready-to-process condition in moisture-tight bags.

The compound properties have been generated from a low number of production lots. Therefore, they are preliminary and not yet the result of a statistical evaluation

The use of colorants may affect property values.

The values presented are typical or average values, they do not constitute a specification.

Key Features

Industrial Sector

Sustainable, Sports and Lifestyle

Optics

Translucent

Sustainability

Sustainable electricity

Resistance to

Heat (thermal stability), UV / light / weathering

Processing

Injection molding

Electrical

Insulating

Delivery form

Pellets, Granules

Additives

Unfilled

LCA-values

LCA name of certificate

dry

[VESTAMID® LX modified Bio](#)

Unit

-

Test Standard

ISO 14040, 14044

LCA certifier

[TÜV Rheinland](#)

-

ISO 14040, 14044

Blue water consumption

572.2

kg

ISO 14040, 14044

VESTAMID®

Physical properties

	dry / cond	Unit	Test Standard
Density	1010 / -	kg/m ³	ISO 1183
Water absorption, 24h	0.29 / *	%	ISO 62, ASTM D 570
Shore D hardness	73 / -	-	ISO 7619-1

Rheological properties

	dry / cond	Unit	Test Standard
Molding shrinkage, parallel	1.1 / *	%	ISO 294-4, 2577
Molding shrinkage, normal	1.1 / *	%	ISO 294-4, 2577
Mold temperature	60 / *	°C	-
Melt temperature	240 / *	°C	-

Characteristics

Applications

General purpose

Processing

Thermoforming

Special Characteristics

Semi-crystalline, U.V. stabilized

Color

Natural color

Additives

Heat stabilizer

Delivery form

Cylindrical pellets

Chemical Resistance

General chemical resistance