

## Product

## DOMAMID®H33 S02

### 1 General properties

Domamid®H33 S02 is a natural high quality **UV light stabilized** polyamide 6 granulate featuring the quality characteristics specified in item 2. Domamid®H33 S02 is well suited for **multifilament yarns (CF) with a high tenacity or for extrusion of monofilaments**.

Certificates for all conformities, for example the food legislation of Domamid®H33 S02 with respect to the FDA requirements, 21 CFR 177-1500, EU Regulation 10/2011 and for other countries, will be provided on request.

The granulate colour is opaque natural white. The product contains no colour pigments. The granulate chips are spherical in shape.

Domamid®H33 S02 is hygroscopic and will absorb moisture when exposed to high moisture content areas. The processing characteristics of the product will change if the moisture content increases.

### 2 Quality identifying marks

Parameter	Unit	Specification value	Test method
Relative solution viscosity		3.30 +/- 0.05	domo 88-16 According to ISO 307 1% (w/v) PA-6 in 96% (w/w) H <sub>2</sub> SO <sub>4</sub> , 20 °C
Moisture	ma %	0.06 max.	domo 88-08 ISO 760, coulometric Karl Fischer Titration
Extract	ma %	0.6 max.	domo 88-11 Sum parameter, water extract
Amino end groups	meq/kg	40 +/- 4	domo 88-09 acid base titration
Mangan	mg/kg	12 +/- 3	ISO 11885

### 3 Physical properties

Parameter	Unit	Value
Density	g/cm <sup>3</sup>	1.14
Melting point	°C	215 to 225
Bulk density	g/cm <sup>3</sup>	0.65 to 0.70
Weight of 100 chips	g	1.00 to 1.50

### 4 Form of delivery

The product is delivered in silo cars, octabins or big bags under the exclusion of moisture.

### 5 Product handling

The EU material safety data sheet is binding upon handling the product.

Storage:

Keep the product cool and dry. Keep all bag or octabin packaging closed until use and close them moisture-tightly immediately after use. Avoid direct sunlight.

If the specified conditions are met, we guarantee a maximum storage life of 6 months from the date of the invoice.

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**6 Inspection certificate**

An inspection certificate in accordance with EN 10204 type 3.1 will be enclosed in the delivery, containing the following parameters:

- Relative solution viscosity
- Moisture
- Extract
- Amino end groups

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**7 Disclaimer**

This specification is valid for product deliveries at time of risk transfer to the recipient for all orders which refer to this specification. All information supplied by or on behalf of DOMO is believed to be accurate and reliable at the present time; it may be revised according to new information. DOMO assumes no liability and makes no warranties of any kind, expressed or implied, for merchantability or fitness for use for a particular purpose. The user assumes all responsibility for use of the information provided and should verify quality and other properties or any consequence from the use of all such information. Please read the Material Safety Data Sheet "MSDS" before using a DOMO product.