

DOMAMID® H27 S12

General properties: Domamid®H27 S12 is a natural high quality polyamide 6 granulate featuring the quality characteristics specified in item 2. Domamid®H27 S12 is special optimized for the production of high quality BCF carpet yarns having a reduced process shrinkage at the Superba Heatset Process as well as for a high draw ratio or high winding speed. It is well suited for small yarn count. Certificates for all conformities, for example the food legislation of Domamid®H27 S12 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 does not contain any colour pigments or other additives. The granulate chips are spherical in shape. Domamid®H27 S12 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.

Parameter	Units	Specification value	Test method
Quality identifying marks			
Relative solution viscosity		2.70 +/- 0.03	domo 88-16 According to ISO 307 1% (w/v) PA-6 in 96% (w/w) H ₂ SO ₄ , 20 °C
Moisture	wt %	0.06 max.	domo 88-08 ISO 760, coulometric Karl Fischer Titration
Extractables	wt %	0.4 max.	domo 88-11 Sum parameter, water extract
Amino end groups	meq/kg	40 +/- 4	domo 88-09 acid base titration

Parameter	Units	Value
Physical properties		
Density	g/cm ³	1.14
Melting point	°C	220 to 225
Bulk density		
Weight of 100 chips	g	1.10 to 1.45

Form of delivery

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

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.

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 • Extractables • Amino end groups

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.