

## PRODUCT SPECIFICATION NK/79/2017

Date of issue: 1.10.2017

Previous version: -

### 1. Product name:

Trade name: Alphalon™ 33  
 Chemical name: Poliamid 6  
 CN number: 3908 10 00

**Product description:** Alphalon™ 33 is a bright polyamide 6 grade of medium viscosity that is suited for the production of films and monofilaments.

### 2. Quality parameters and test methods:

No	Parameter	Unit of measure	Value of the parameter	Method of testing
1.	Relative viscosity of solution in 96% sulphuric acid	-	3,30 ±0,05	GA-PA-1
2.	Content of extractable compounds, not more	% (m/m)	0,64	GA-PA-2
3.	Content of water, not more than	% (m/m)	0,05	GA-PA-3
4.	Chip shape	-	spherical	-

Each supply is accompanied by a quality certificate attesting the compliance of the quality parameters with the above requirements.

### 3. Food legislation:

The product meets the requirements:

UE: COMMISSION REGULATION No 10/2011 of 14 January 2011 on plastic materials and articles intended to come into contact with food with later changes.

USA: REGULATION FDA 21CFR § 177.1500.

Certificates regarding the status will be provided on request.

### 4. Packing:

Method of packaging of the product:

- 25 kg in multilayer welded bags stacked on pallets CP1,
- big bags and octabins on pallets CP3,
- bulk directly to silo vehicle under nitrogen atmosphere,
- to an insert placed in a 20- or 30-foot container under nitrogen atmosphere.

Other packaging is allowed upon agreement with the customer.

-- The product is manufactured in accordance with the ISO 9001, ISO 14001, ISO 50001, PN-N 18001, OHSAS 18001 --

## 5. Transport and Storage:

Alphalon™ 33 is delivered in a dry state, ready for processing, without drying.

Alphalon™ 33 is not a hazardous product within the meaning of RID/ADR, IMDG.

Alphalon™ 33 in big-bags, octabins and bags must be transported in covered means of transport in accordance with transport regulations in force in the rail and road transport. The conditions of transport must prevent damage to the packaging, moisture and dirt getting to the granules.

Transportation of bulk Alphalon™ 33 in silo vehicles and containers must be carried out under nitrogen atmosphere. Note: Nitrogen has choking properties!

Alphalon™ 33 must be stored in closed, original manufacturer's packaging, at room temperatures (10 to 30)°C and relative humidity of at most 65%, at least 1m from heating devices.

Alphalon™ 33 transported in silo vehicles and containers immediately after unloading must be stored in sealed containers under nitrogen or air atmosphere having the dew point of no more than (-15)°C. Storage tanks must be grounded in order to eliminate the possibility of formation of static electricity.

Prior to processing, to balance the material's temperature to the ambient temperature and to avoid water vapour condensation, the packaging of granules must be sufficiently in advance (minimum 24 hours) transported from a cold room to the place of use.

Storage time should not be longer than 6 months from date of shipment.

## 6. Important note:

The information contained herein is based on the present state of our knowledge and experience. In view of the many factors that might influence the processing and application users should in any case run their own tests to determine the suitability of the product Alphalon™ 33 for their particular purpose. Users of our product must assume responsibility for observing existing proprietary rights, laws and regulations.