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BASF SE

# Ultramid® B27 ND

## Product description

Ultramid® B27 ND is an amino-end-group rich polyamide 6 of medium viscosity, suitable for the production of bright carpet and textile yarn. It is specially designed for dyeing of deep dyeshades and improved dye fastnesses. As a member of BASF N-type polymer generation, Ultramid® B27 ND offers improved light- and heat stability.

## Specification

	Test method	Unit	Value
Relative Viscosity (RV) 1% [m/v] in 96% [m/m] sulfuric acid	According to ISO 307		2.66 - 2.74
Viscosity Number (VN) 0,5% [m/v] in 96% [m/m] sulfuric acid	According to ISO 307 (calculated by Huggins method)	ml/g	145 - 151
Moisture content	According to ISO 15512	% [m/m]	max. 0.06
Extractables	According to ISO 6427- chips not ground/16h	% [m/m]	max. 0.6

## Product properties

During the production of the polymer the following product properties are monitored and controlled:

	Test method	Unit	Value
Amino end-groups	BASF method	meq/kg	82 - 86

## General properties

	Test method	Unit	Typical value
Melting point	According to ISO 3146	°C	220
Density	According to ISO 1183	g/cm <sup>3</sup>	1.12 - 1.15
Specific chip number		count/g	approx. 80
Bulk density		kg/m <sup>3</sup>	780
Pellet size		mm	2 - 2.5
Pellet shape			round

**Supply form and storage**

Ultramid® B27 ND is dried to the extent that it is ready for spinning. It is shipped in moisture-proof FIBC. Larger quantities can be shipped in bulk (for example 20ft container, silo trucks). Since the material is delivered ready for spinning, it must be protected against moisture during storage. A storage time of 12 months should not be exceeded. Opened bags should be used up immediately in order to prevent moisture pickup.

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