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BASF SE

Ultramid® B27 12

Product description

Ultramid® B27 12 is a polyamide 6 for the production of bright textile and carpet fibers.

Specification

Specification	Test method	Unit	Value
Relative Viscosity (RV) 1% [m/v] in 96% [m/m] sulfuric acid	According to ISO 307		2.67 - 2.73
Viscosity Number (VN) 0,5% [m/v] in 96% [m/m] sulfuric acid	According to ISO 307 (calculated by Huggins method)	ml/g	146 - 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:

Product properties	Test method	Unit	Value
Amino end-groups	BASF method	meq/kg	35 - 39

General properties

General properties	Test method	Unit	Typical value
Melting point	According to ISO 3146	°C	220
Density	According to ISO 1183	g/cm ³	1.12 - 1.15
Specific chip number		count/g	approx. 80
Bulk density		kg/m ³	685
Pellet size		mm	2 - 3
Pellet shape			round

Supply form and storage

Ultramid® B27 12 is dried to the extent that 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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