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BASF SE

Ultramid® B27 E

Product description

Ultramid® B27 E is a polyamide 6 grade of low viscosity that is well suited for compounding and the production of monofilaments.

Specification

Specification	Test method	Unit	Value
Relative Viscosity (RV) 1% [m/v] in 96% [m/m] sulfuric acid	According to ISO 307 (calculated by Huggins method)		2.62 - 2.83
Viscosity Number (VN) 0,5% [m/v] in 96% [m/m] sulfuric acid	According to ISO 307	ml/g	142 - 158
Moisture content	According to ISO 15512	% [m/m]	max. 0.10
Extractables	According to ISO 6427- chips not ground/16h	% [m/m]	max. 0.6

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
Bulk density		kg/m ³	780
Pellet size		mm	2 - 2.5
Pellet shape			round
Water absorption, 23°C/50% rh		%	2.2
Water absorption, saturation in water 23°C		%	8.5

Supply form and storage Ultramid® B27 E is supplied pre-dried and ready for processing in a variety of moisture proof containers, such as boxes, bigbags (Asia) and bulk containers. The material 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.

Food legislation Ultramid® film grades (Ultramid® A, B, C, Flex F) comply with the current legislation on plastics in contact with food in several regions. If you need details on the food approval status of a particular Ultramid® grade, please contact BASF directly at plastics.safety@basf.com. We will be happy to provide you with an up-to-date declaration of conformity based on the current legal regulations.

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