

® = registered trade mark of
BASF SE

Ultramid® C33

Product description

Ultramid® C33 is a copolyamide 6/66 grade of intermediate viscosity for the production of multilayer film and monofilaments. Ultramid® C33 is well suited for the production of nonsymmetric blown film with reduced curl. Its lower melting point than standard PA 6 is advantageous for coextrusion with temperature sensitive polymers like EVOH.

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)		3.19 - 3.41
Viscosity Number (VN) 0,5% [m/v] in 96% [m/m] sulfuric acid	According to ISO 307	ml/g	187 - 203
Moisture content	According to ISO 15512	% [m/m]	max. 0.06
Extractables	According to ISO 6427- chips not ground/16h	% [m/m]	max. 0.8
Film grade	BASF method		1 - 3

General properties

General properties	Test method	Unit	Typical value
Melting point	According to ISO 3146	°C	195 - 197
Density	According to ISO 1183	g/cm ³	1.12
Bulk density		kg/m ³	780
Pellet size		mm	2 - 2.5
Pellet shape			round
Water absorption, 23°C/50% rh		%	3.2
Water absorption, saturation in water 23°C		%	10.5

Supply form and storage	Ultramid® C33 is supplied pre-dried and ready for processing in a variety of moisture proof containers, such as bags, boxes, bigbags (Asia) and bulk containers. The material must be protected against moisture during storage. A storage time in packed form of 12 months should not be exceeded. Opened bags should be used up immediately in order to prevent moisture pickup. While unloading bulk containers and storing Ultramid® C33 in silos, handling instructions defined in a specific information sheet have been taken in consideration.		
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.		
Disclaimer	While the descriptions, designs, data and information contained herein are presented in good faith and believed to be accurate, it is provided for your guidance only. Because many factors may affect processing or application/use, we recommend that you make tests to determine the suitability of a product for your particular purpose prior to use. NO WARRANTIES OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE MADE REGARDING PRODUCTS DESCRIBED OR DESIGNS, DATA OR INFORMATION SET FORTH, OR THAT THE PRODUCTS, DESIGNS, DATA OR INFORMATION MAY BE USED WITHOUT INFRINGING THE INTELLECTUAL PROPERTY RIGHTS OF OTHERS. IN NO CASE SHALL THE DESCRIPTIONS, INFORMATION, DATA OR DESIGNS PROVIDED BE CONSIDERED A PART OF OUR TERMS AND CONDITIONS OF SALE. Further, you expressly understand and agree that the descriptions, designs, data and information furnished by BASF hereunder are provided gratis and BASF assumes no obligation or liability for the description, designs, data and information given or results obtained, all such being given and accepted at your risk.		
Medical disclaimer	BASF has not developed or tested its plastics especially for the use in medical devices (defined in risk classes I to III according to the European and US Medical Device legislation) and pharmaceutical applications. Therefore BASF makes no warranties, express or implied, concerning the suitability of any BASF plastics for use in any medical device and pharmaceutical applications. BASF does not supply its plastics for the manufacture of implants of any risk class. Please inform us in advance, if you intend to use BASF plastics in medical devices or pharmaceutical applications.		
Further information	Europe:	www.basf.de extrusion.ultramid@basf.com	Tel.: +49 621 60 42888
	North America:	nylon.basf.us	Tel.: +1 800 527 8324
	Asia:	www.basf.com	Tel.: +86 21 2039 3419