

General Product information

Elastollan® 991 A 10 FC

® = registered trademark of BASF Polyurethanes GmbH



Characteristic:

Transparent, thermoplastic Polyester-Polyurethane, with excellent mechanical properties, outstanding wear resistance and high tear and tensile strength, good damping characteristic and a high resilience performance. General suitability for food contact related applications in FDA and EU regulated markets (please see food contact information).

Property	Unit	Value	Test method according to
Hardness	Shore A	91	DIN ISO 7619-1 (3s)
Density	g/cm ³	1.22	DIN EN ISO 1183-1-A
Tensile strength	MPa	45	DIN 53504-S2
Elongation at break	%	560	DIN 53504-S2
Abrasion loss	mm ³	36	DIN ISO 4649-A
Tear strength	N/mm	95	DIN ISO 34-1Bb

These are general guidance data. No statement regarding specific properties. All supplies are subject to detailed specifications to be agreed-up in each individual case and containing, among others, the tolerances to be specified therein.

Delivery form and packing:

Pellets; the packaging dependent upon grade and agreement.

Drying:

Elastollan® 991 A 10 FC is hygroscopic.

Elastollan® 991 A 10 FC must be dried before processing for hours at °C in a dehumidified air dryer.

Additives have to be dried with the granules.

For further processing to a food contact material it is essential to dry a residual moisture <0,02%.

Processing:

In cool and dry storage and in the original, undamaged and sealed containers, the products are processable for at least 6 months from delivery date. Thereafter, we do not give any warranty or guarantee regarding the processability and/or shelf life of the products. Warranties regarding buyer's rights in case of defects remain unaffected hereby.

Storage:

Elastollan® 991 A 10 FC is hygroscopic, therefore storage in dry conditions and original container is recommended. Additional information about drying, processing temperatures and post-treatment are given in our product brochure "Thermoplastic Polyurethane Elastomers (TPU) Elastollan®-Processing Recommendations".

Hazard indication:

No particular hazards known. Please have a look at the Material Safety Data Sheet before handling.

Waste Disposal:

More detailed information is provided in our country-specific pamphlet and the Material Safety Data Sheet.

Important Information:

The data contained in this document as well as advice or other support services are based on our current knowledge and experience and are provided according to our best knowledge. In view of many factors that may affect processing and application of our products, this data does not relieve processors from carrying out their own investigations and tests, particularly with regards to the suitability of the goods supplied for the processes and purposes they intend to use them for; neither does this data imply any guarantee of certain properties, or the suitability of the product for a specific purpose. Any descriptions, drawings, photographs, data, proportions, weights, measured values etc. given herein may change without prior notice and do not constitute the agreed contractual quality of the product. It is the responsibility of the recipient of our products to ensure that any proprietary rights and existing laws and legislation are observed.

To determine the suitability of this BASF Polyurethanes GmbH product for certain applications a thorough evaluation by the processor(s), manufacturer(s) and/or distributor(s) is required. National and international laws and regulations have to be considered producing medical devices or consumer articles including but not limited to articles with food or skin contact or toys.

Where specific regional regulations do not exist, the current legal EU and US requirements as well as globally accepted standards for consumer articles, food contact articles and medical devices should be used as reference.

Please contact BASF Polyurethanes GmbH Sales Office and our Ecology and Product Safety department in case of further questions.

For additional information please contact our Sales Office::**BASF Polyurethanes GmbH**

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