



MATERIAL

Fusia 445

Mass production of chains and jewelry.
Casting clusters up to 50 cm in height.

Formulated and manufactured by DWS



Fusia Series

The Fusia line includes castable materials primarily used in the jewelry industry, but also suitable for manufacturing objects in industrial sectors that employ lost-wax casting technology.

PRODUCT DESCRIPTION

Fusia 445 is a **castable material** ideal for generating **casting trees**, named Clusters, using DWS's proprietary software (XCluster and XCluster Chain). It is suitable for the production of bracelets and jewelry with pre-set stones in the goldsmith's industry and for the production of accessories in the fashion world. The material is generally used for models with medium to high thicknesses.



High surface
quality



Smooth
surfaces



Pre-stone
setting



High
clusters



TPO-free version: **Fusia 446**

Industry

Jewelry

Available colors

Name

Fusia 445 Yellow

Technical specs of the liquid material

Viscosity	300 ~ 600 mPa-s at 25°C
Density	1,08 g/cm ³
Environmental values for use	22°C - 27°C - max, RH 40% - 60%
Appearance / Color	Yellow

Technical specs after UV curing

Fusia 445	Technical Data
Elongation at Break (%)	6 ~ 11
Shore Hardness (Shore D)	56 ~ 63
Flexural Strength (MPa)	10 ~ 16
Flexural Modulus (MPa)	240 ~ 270
Tensile Strength (MPa)	6 ~ 13
Tensile Modulus (MPa)	120 ~ 290
HDT@1,81MPa	31 ~ 34

Technical specifications are subject to change without notice. TDS_EN-FUSIA-445 / Rev.01 / 02-2026