

**TEROSON® CF 300**

February 2021

**PRODUCT DESCRIPTION**

TEROSON® CF 300 provides the following product characteristics:

<b>Technology</b>	Synthetic Polymer
<b>Appearance</b>	Colorless
<b>Product Type</b>	Filling Compound
<b>Condition</b>	Thermoplastic
<b>Components</b>	One-component
<b>Cure</b>	Physical setting
<b>Application</b>	General assembly

TEROSON® CF 300 is a water blocking and mechanical buffering filling compound for optical fiber cables. Teroson® CF 300 is very soft, hydrophobic and does not contain any silicone or filler.

**TECHNICAL DATA**

Density, g/cm <sup>3</sup> ISO 2811, 20 °C	0.83
Yield point at 25°C, Pa ISO 3219	~100
Viscosity at 25°C, mPas ISO 3219, (DIN Z4, D=100 s <sup>-1</sup> )	4,480 to 6,720
Viscosity at 25°C, mPas ISO 3219, (DIN Z4, D=200 s <sup>-1</sup> )	4,000 to 6,000
Cone penetration at 20 °C, mm/10 ISO 2137, 150g, 5 s	390
Cone penetration at -40 °C, mm/10 ISO 2137, 150g, 5 s	280
Oil separation at 150 °C, % FTM 791 C, 24 h Wire gauze test	0
Hydrogen generation at 95 °C, Vol % 24 h	<0.002
Migration into PBT at 100 °C, % VDE 0472 Part 809, 10 d	0
Water content, ppm Karl Fischer Method	<100

**GENERAL INFORMATION**

Please consult the Safety Data Sheet (SDS) for safe handling information of this product.

**Storage:**

When properly stored in a cool, dry location, with the container tightly closed when not in use, this product will have a shelf life of at least 24 months.

**Conversions**

$(^{\circ}\text{C} \times 1.8) + 32 = ^{\circ}\text{F}$   
 $\text{kV/mm} \times 25.4 = \text{V/mil}$   
 $\text{mm} / 25.4 = \text{inches}$   
 $\text{N} \times 0.225 = \text{lb/F}$   
 $\text{N/mm} \times 5.71 = \text{lb/in}$   
 $\text{psi} \times 145 = \text{N/mm}^2$   
 $\text{MPa} = \text{N/mm}^2$   
 $\text{N}\cdot\text{m} \times 8.851 = \text{lb}\cdot\text{in}$   
 $\text{N}\cdot\text{m} \times 0.738 = \text{lb}\cdot\text{ft}$   
 $\text{N}\cdot\text{mm} \times 0.142 = \text{oz}\cdot\text{in}$   
 $\text{mPa}\cdot\text{s} = \text{cP}$

**Not for product specifications**

The technical data contained herein are intended as reference only. Please contact your local quality department for assistance and recommendations on specifications for this product.

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**Reference 1.0**