

PRODUCT DATA SHEET

PUR'FECT G766/35

EDITION: 11.2022



Developed for Polyol Isocyanate

the insulation of sandwich panels and as floor insulation. Suitable for elevated service temperatures up to 110°C if core densities do not fall below 50 kg/m³
Mixture of polyether polyols, activators (contains amine), stabilizer and physical blowing agent HFO 1233zd
Product based on Diphenylmethanediisocyanate (MDI)

Formulation

Typical properties

| | | Polyol | Isocyanate |
|----------------|-------------------|----------|------------|
| Density 25°C | g/cm ³ | ca. 1,10 | ca. 1,23 |
| Viscosity 25°C | mPas | ca. 390 | ca. 200 |

Cup test

| | | | |
|---------------------------|------------------|---------------------|-------------------|
| Polyol | Pur'fect G766/35 | 100 parts by weight | |
| Isocyanate | Pur'fect 100 | 110 parts by weight | |
| Ratio Polyol : Isocyanate | | 100 : 110 | |
| Material temperature | | 20 | °C |
| Cup weight | | | |
| | Polyol | 40 | g |
| | Isocyanate | 44 | g |
| Parameter | | | |
| | Cream time | ca. 32 | Sec. |
| | Gel time | ca. 163 | sec. |
| | Fre rise density | ca. 34 | kg/m ³ |

Processing conditions

| | | |
|-------------------|---------|----|
| Mould temperature | 30 - 40 | °C |
|-------------------|---------|----|

Typical foam properties*

Physical properties

| Property | Value | Dimension | Standard |
|-----------------------|------------------------|-----------|----------------|
| Density (core) | 46 kg/m ³ | | DIN WN 1602 |
| Compression Hardness | 285 kPa | | DIN EN ISO 844 |
| Adhesion | 385 kPa | | DIn 53292 |
| Dimensional Stability | max. in all directions | -0.5 % | DIN EN 1604 |
| Thermal Conductivity | 0,022 W/mK | | DIN 52612 |

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*measured in a lab-made sample

| | |
|--------------------|--|
| Safety | Using information Please pay attention to the safety data sheet It contains handling information It is advisable to avoid direct skin contact with freshly produced polyurethane, because of the fact that in case of not covered polyurethane the surface may obtain traces of starting and successive products which are e.g. dangerous to health or have irritating, cauterising and/or sensitising properties. |
| Preparation | Before using, this polyol has to be <u>mixed very well.</u> |
| Using | The packaging has to be closed very well. This product is very sensitive to moisture. The storage temperature is recommended at 20°C. The storage life is guaranteed for 3 months. |
| Storage | All products can be delivered in bulk, IBC and drums. |
| Changing | Introduction of blowing agent HFO 1233zd |

The product information are made to the best of our believe, they are however not obligatory. This concerns also to trade mark rights of third parties. The above mentioned product information have to be proved additionally by an individual test of our products regarding the application for the intended processing of our purpose. The processing of our products and the products manufactured by the customer according to our technical support are out of our controlling possibilities and therefore subject to the responsibility of the customer.