

Hochelastische Polyurethanfolie

Highly elastic polyurethane film

Высокоэластичная полиуретановая пленка

FDA und [EU] No 10/2011 konform

| | | |
|--|----------------------------|--|
| Polymerbasis / polymer base / полимерная основа | Polyurethan [Ether] | |
| Trägerfolie [PE] carrier film [PE] / несущая пленка [PE] | nein | |
| Eigenschaft / Characteristic / Характеристика | Werte | Norm/ Methode |
| Dichte / density / плотность | 1,15 g/cm ³ | errechnet |
| Erweichungsbereich / softening area / зона размягчения | 155-185 °C | TMA Onset –Endset interne Methode |
| Härte / hardness / твердость | 87 Shore A | DIN 7619-1, DIN EN ISO 868 oder ASTM D2240 |
| Bruchspannung / breaking stress / разрушающее напряжение | 60 MPa | DIN EN ISO 527 |
| Spannung bei 50% Dehnung / Stress at 50% elongation/ Напряжение при 50% удлинении | 5 – 7 MPa | DIN EN ISO 527 |
| Bruchdehnung / elongation at break / Относительное удлинение при разрыве | 550 % | DIN EN ISO 527 |
| Weiterreißwiderstand / tear resistance / сопротивление разрыву | 50 kN/m | DIN ISO 34-1,B |
| UV-Stabilität / UV stability / УФ-стабильность | gut | empirisch |
| Hydrolysebeständigkeit / resistance to hydrolysis / устойчивость к гидролизу | sehr gut | empirisch |
| Schweißbarkeit / weldability / свариваемость | gut | empirisch |
| Mikrobenbeständigkeit / microbial resistance / микробная резистентность | sehr gut | empirisch |
| Thermoformbarkeit / thermoformability / способность к термоформованию | sehr gut | empirisch |

Die Aussagen, Angaben und Daten erfolgen nach bestem Wissen, wurden soweit möglich durch Versuche ermittelt und gelten als unverbindliche Beratung. Wir empfehlen, in Zweifelsfällen einen den örtlichen Verhältnissen angepassten Test durchzuführen. Stand 03/2021

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MESSBERICHT

Firma :

Kunde / Ort :

Datum : 03/21/2019 Megohmmeter CHAUVIN-ARNOUX C.A 6543 Seriennummer oder Firmennummer 600000

OBJEKT N° 01

Beschreibung :

Ort : Königswinter-Oberpleis

ISOLATIONSPRÜFUNG

TEST N° 07

| | | | |
|--------------|-----------------------|-----------------------------|------------|
| Datum : | 03/21/2019 | Nennspannung : | 111 V |
| Startzeit : | 08:00:00 | Isolationswiderstand (IR) : | 1.098 GOhm |
| Dauer : | 00:15:00 | DAR : | 1.146 |
| Temperatur : | 21 °C | PI : | 1.936 |
| % Feuchte : | 37 % | Kapazitätanz : | --- |
| Kommentar : | Oberflächenwiderstand | | |
| | | Prüfstrom : | 101.2 nA |

ISOLATIONSPRÜFUNG

TEST N° 08

| | | | |
|--------------|----------------------|-----------------------------|----------|
| Datum : | 03/21/2019 | Nennspannung : | 111 V |
| Startzeit : | 08:20:00 | Isolationswiderstand (IR) : | 650 MOhm |
| Dauer : | 00:15:00 | DAR : | 0.9956 |
| Temperatur : | 21 °C | PI : | 1.035 |
| % Feuchte : | 37 % | Kapazitätanz : | --- |
| Kommentar : | Durchgangswiderstand | | |
| | | Prüfstrom : | 171.2 nA |

Name : René Hüls

Unterschrift : *René Hüls*

Wir weisen ausdrücklich darauf hin, dass oben genannte Prüfkörper, gem. den DIN Angaben nach bestem Wissen und Gewissen geprüft wurden. Die gemessenen Werte entbinden Sie nicht davon Eignungstests durchzuführen. Im Zweifelsfall sind die Werte von einer zertifizierten Stelle zu bestätigen.

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Technical Information

General Statement on Food Contact Use

U 2100 Y; 2150 Y snow white; 2102 Y; 2152 Y snow white; 2112 Y light blue; 2112 Y royal blue; 2102 N

U 4201 Y; 4251 Y snow white; 4255 XY snow white

U 073

It is the responsibility of the user of our product, who manufactures materials or articles intended for food contact or brings them into contact with food, to assure their compliance with limits and other provisions set by the applicable regulations.

In accordance with the information given by the raw material suppliers, we herewith confirm the compliance of the above mentioned film grades with following regulations concerning food contact:

Europe

The above mentioned polyurethane film grades are composed of ingredients which meet the requirements of Commission Regulation (EU) No 10/2011. All monomers and additives are listed. Some substances have specific migration limits (SMLs). Contact us in case of further information regarding specific film grades.

USA

The above mentioned polyurethane film grades are in compliance with FDA regulation 21 CFR § 177.2600 (rubber articles intended for repeated use).

The manner in which you use and the purpose to which you put and utilize our products, technical assistance and information (whether verbal, written or by way of production evaluations), including any suggested formulations and recommendations, are beyond our control. Therefore, it is imperative that you test our products, technical assistance, information and recommendations to determine to your own satisfaction whether our products, technical assistance and information are suitable for your intended uses and applications. This application-specific analysis must at least include testing to determine suitability from a technical as well as health, safety, and environmental standpoint. Such testing has not necessarily been done by Films GmbH & Co. KG.

Unless we otherwise agree in writing, all products are sold strictly pursuant to the terms of our standard conditions of sale which are available upon request. All information and technical assistance is given without warranty or guarantee and is subject to change without notice. It is expressly understood and agreed that you assume and hereby expressly release us from all liability, in tort, contract or otherwise, incurred in connection with the use of our products, technical assistance, and information. Any statement or recommendation not contained herein is unauthorized and shall not bind us. Nothing herein shall be construed as a recommendation to use any product in conflict with any claim of any patent relative to any material or its use. No license is implied or in fact granted under the claims of any patent.