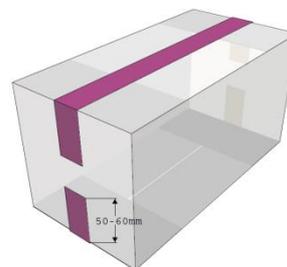


Prüfbericht Nr. / Test report no. 2016-08-17_002



Prüfstelle / Testing institute:	DS Smith Packaging Deutschland Stiftung & Co. KG Prüfstelle für Gefahrgutverpackungen Werk Mannheim Essener Straße 60 68219 Mannheim
Antragsteller / Customer:	tesa SE Hugo-Kirchberg-Straße 1 22839 Norderstedt
Inhalt der Prüfung: Content of the test:	Fallprüfung gem. ADR/RID, IATA und IMDG-Code <i>Drop test according ADR/RID, IATA and IMDG-Code</i>
Zweck der Prüfung:	Prüfung des Selbstklebebandes tesa 64044 PV4 als geeignetes Verschlussmittel für UN-Verpackungen aus Wellpappe (4G).
Purpose of the test:	<i>Test as a suitable tape tesa 64044 PV4 for UN corrugated boxes (4G).</i>
Außenverpackung:	Faltkiste FEFCO 0201, Wellpappensorte 2.70 BC außen Kraftliner
Outer packaging:	<i>Corrugated cardboard box FEFCO 0201, corrugated board 2.70 BC, Kraftlinerpaper outside</i>
Innenverpackung:	PE-Sack befüllt mit Granulat und Bleischrot
Inner packaging:	<i>PE-Bag filled with granules and lead shot</i>
Verschluss der Verpackung:	Die Boden- und Deckelklappen wurden mit dem 50 mm breiten Selbstklebeband tesa 64044 PV4 verschlossen.
Closure of Packaging:	<i>The top and bottom flaps are closed with 50 mm tape tesa 64044 PV4</i>



Ueberlappung ca.50-60mm

Ergebnisse der Fallprüfungen:

Es wurde jeweils ein Fallversuch auf die Ecke der Verpackung aus einer Fallhöhe von 1,80 m durchgeführt.

Test result of the drop test:

In each case, a drop test on the corner from a height of 1,80 m was done.

Abmessung <i>Dimensions</i>	Bruttomasse kg <i>Gross mass kg</i>	Prüfergebniss <i>Test result</i>
350*250*300	20	positiv / <i>passed</i>
400*300*350	30	positiv / <i>passed</i>
600*350*350	40	positiv / <i>passed</i>



Fallprüfung 20 kg / drop test 20 kg



Fallprüfung 30 kg / drop test 30 kg



Fallprüfung 40 kg / drop test 40 kg

Zusammenfassung:

Aufgrund der vorstehenden Prüfergebnisse wird bestätigt, dass das geprüfte Klebeband für den Verschluss der Boden- und Deckelklappen von Gefahrgutverpackungen der Verpackungsgruppe I aus Wellpappe verwendet werden kann.

Bitte beachten sie, dass die Art der Umverpackung und die Art der Innenverpackung einen Einfluss auf die Prüfergebnisse haben können.

Summary:

Based on the above test results we confirm, that the tested tape can be used for the closure of the bottom and top flaps of the packaging for dangerous risk group I.

Please note, that the type of the Packaging and the type of inner packaging may impact on the test result.

Anlage[n] / Appendix:

Spezifikation Klebeband / *specification of the tape*

DS Smith Packaging Deutschland Stiftung & Co. KG
Prüfstelle für Gefahrgutverpackungen / Werk Mannheim



i.A. Werner Hartwig
Prüfstellenleiter

product information

64044 PV4

Carton sealing tape for cartons with very heavy or hazardous goods

tesa® 64044 PV 4 is based on a very strong PP-backing with a special high tack water based acrylic adhesive mass. The very high tack of the adhesive secures a good sealing immediately after applying it. Even heavy boxes or boxes with multilute cardboard with high flap tension can be closed safely.

The product has the following additional features:

- Low noise unwinding.
- High transparency for a high quality appearance (col. 00).
- Excellent good ageing resistance.
- It can be used on all common hand dispensers and machines.

As the product is chlorine free and based on derivatives of mineral oil only, the disposal by heat treatment is environmental friendly.

The process of cardboard waste recycling will be not disrupted by tesa® 64044 PV 4 as confirmed by leading recycling companies and paper mills.

Main Application

tesa® 64044 PV 4 is designed to close very heavy cartons or boxes with hazardous content. The tensile strength and elongation characteristics of the strong backing make the product resistant to high shock impacts.

Technical Data

• Backing material	PP film	• Adhesion to steel	3.5 N/cm
• Total thickness	85 µm	• Elongation at break	160 %
• Type of adhesive	acrylic	• Tensile strength	70 N/cm

Properties

• Automatic application	yes	• Low noise unwinding	yes
• Manual application	yes		

Additional Information

On request tesa® 64044 PV 4 is also available as PV 3 with an especially easy but noisy unwinding. The PV 3-version of the product is printable.

For latest information on this product please visit <http://l.tesa.com/?ip=64044>

tesa® products prove their impressive quality day in, day out in demanding conditions and are regularly subjected to strict controls. All technical information and data above mentioned are provided to the best of our knowledge on the basis of our practical experience. They shall be considered as average values and are not appropriate for a specification. Therefore tesa SE can make no warranties, expressed or implied, including, but not limited to any implied warranty of merchantability or fitness for a particular purpose. The user is responsible for determining whether the tesa® product is fit for a particular purpose and suitable for the user's method of application. If you are in any doubt, our technical support staff will be glad to support you.



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