



083 487 2809 | www.tinttech.co.za | wesley@tinttech.co.za

Product Profile

Introduction

Tint Tech is a specialised window lamination company. We have a wide range of window film, and other products that are sourced from multiple manufacturers worldwide.

From inception we constantly strive to ensure that we always have our hands on the best products. Because we communicate with the world's best manufacturers we are always at the front of the technology spectrum and will always have the best products to offer for almost every application and demand.

Tint Tech ensures that all the requirements of quality and quantity are met. At Tint Tech we comply with international quality standards such as ISO 9001 and UKAS quality management control. These quality control standards have been set by SGS.

The management at Tint Tech has over 16 years' experience in the motor trade. We have managed to gain large market share due to our ability to market ourselves with our large sales contingent as well as the fact that we believe that our customers are our number one priority.

At Tint Tech we cater for the following market requirements;

Smash and Grab safety film for the auto trade and;

various heat & sun resistant film for the architectural industry. Our products are branded as follows:

- Tech 100
 - This is a 100-micron safety film that comes in various grades of shades
- Supershade
 - This is a double ply 50 micron back window film



083 487 2809 | www.tinttech.co.za | wesley@tinttech.co.za

Product Information

In General all of our products have certain characteristics in common

Tint Tech comes standard with a scratch resistance of 4H. The market standard is 3H. We have specially arranged this for market advantage. If one goes above 4H the film starts to become very brittle.

1. All of the film we use is a double polyester layer. This increases the film stress resistance from impact. The colour is also stored in-between the polyester layers ensuring that there is no run off during the installation
2. We use the highest quality adhesive. It is unfortunately not very well known that the stronger the adhesive, the ore protection is offered to the consumer against flying shards during an accident or a smash and grab attack
3. All of our films is produced in line with ISO 9001 standards.

Supershade

Supershade is our premium 39 micron product. Supershade is a basic 39 micron organic film used for the back windscreen of a motor vehicle. It is highly durable, easy to mould to the contours of a windscreen and is a fitter's product of choice. The warranty of Supershade is five years. The end user will never have to worry about peeling, pulling, bubbling and fading.

Tech 100

Tech 100 is a product specifically developed to prevent smash and grab attacks in vehicles. It also prevents flying shards in a building in the event of an explosion of forced entry. Tech 100 is a 100-micron film.

Quality Control

Tint Tech is manufactured according to ISO 9001 and UKAS quality control management. These quality control systems were started by a company called SGS in the United Kingdom. All countries worldwide who are reputable subscribe to SGS in order to achieve ISO 9001 manufacturing standards. If a company does not subscribe to SGS they have very little credibility in the market in which they manufacture goods. Their goods are very often seen as below standard.

Not only does SGS give the manufacturer annual inspections and quality control systems, they also give minimum standards for product production, i.e.; if you see the ISO 9001-2000 symbol it indicates that one can expect the very best from those products

Various Quality Control Tests.

The following tests are performed on our products,

ASTM D1894 (Physical - Coefficient of friction)

- 1.1 This test method covers determination of the coefficients of starting and sliding friction of plastic film and sheeting when sliding over itself or other substances at specified test conditions. The procedure permits the use of a stationary sled with a moving plane, or a moving sled with a stationary plane. Both procedures yield the same coefficients of friction values for a given sample.

Note 1--For the frictional characteristics of plastic films partially wrapped around a cylinder, or capstan, see Test Method G143 under the jurisdiction of ASTM Subcommittee G02.50.

- 1.2 Test data obtained by this test method is relevant and appropriate for use in engineering design.

- 1.2.1 As an option to this test, coefficient of friction may be run at temperatures other than 23C by heating only the plane while the sled is at ambient temperature.

- 1.3 The values stated in SI units are to be regarded as the standard. The values given in parentheses are for information only.

- 1.4 *This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user*

of this standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.

ASTM D2578 (Physical - Wetting Tension)

- 1.1 This test method covers the measurement of the wetting tension of a polyethylene or Polypropylene film surface in contact with drops of specific test solutions in the presence of air.
- 1.2 This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.

ASTM D882 (Mechanical - Tensile Strength / Elongation / F5 Value)

- 1.1 This test method covers the determination of tensile properties of plastics in the form of thin sheeting, including film.
- 1.2 Note 1 - Film has been arbitrarily defined as sheeting having nominal thickness not greater than 0.25 mm (0.010 in.).
Note 2 - Tensile properties of plastics 1.0 mm (0.04 in.) or greater in thickness shall be determined according to Test Method D638.
- 1.2 This test method may be used to test all plastics within the thickness range described and the capacity of the machine employed.
- 1.2.1 *Static Weighing, Constant-Rate-of-Grip Separation Test* - This test method employs a constant rate of separation of the grips holding the ends of the test specimen.
- 1.3 Specimen extension may be measured in these test methods by grip separation, extension indicators, or displacement of gage marks.
- 1.4 A procedure for determining the tensile modulus of elasticity is included at one strain rate
Note 3 - The modulus determination is generally based on the use of grip separation as a measure of extension; however, the desirability of using extensometers, as described in 5.2, is recognized and provision for the use of such instrumentation is incorporated in the procedure.
- 1.5 Test data obtained by this test method is relevant and appropriate for use in engineering design.
- 1.6 The values stated in SI units are to be regarded as the standard. The values in parentheses are provided for information only.

ASTM D1204 (Thermal - Heat Shrinkage)

This test method is particularly applicable to no rigid thermoplastic sheeting or film made by the calendar or extrusion process. The test gives an indication of lot-to-lot uniformity as regards to the degree of internal strains introduced during processing.

The heating medium in this test method is air and may not yield the same results as Test Method D2732, which uses a liquid medium.

Before proceeding with this test method, reference should be made to the specification of the material being tested. Any test specimen preparation, conditioning, dimensions, or testing parameters, or combination thereof, covered in the relevant ASTM material specification shall take precedence over those mentioned in this test method. If there are no relevant ASTM material specifications, then the default conditions apply. Table 1 of Classification System D 4000 lists the ASTM material standards that currently exist.

- 1.1 This test method covers the measurement of changes in linear dimensions of no rigid thermoplastic sheeting or film that result from exposure of the material to specified conditions of elevated temperature and time.
- 1.2 The values stated in SI units are to be regarded as the standard.

ASTM D1003 (Optical - Haze / Total Light Transmission)

- 1.1 This test method covers the evaluation of specific light-transmitting and wide-angle-light scattering properties of planar sections of



083 487 2809 | www.tinttech.co.za | wesley@tinttech.co.za

materials such as essentially transparent plastic. Two procedures are provided for the measurement of luminous transmittance and haze. Procedure A uses a haze meter as described in Section and Procedure B uses a spectrophotometer as described in Section Material having a haze value greater than 30% is considered diffusing and should be tested in accordance with Practice E 167.

- 1.2 The values stated in SI units are to be regarded as standard. Note 1For greater discrimination among materials that scatter a high percent of light within a narrow forward angle, such as is the case with abraded transparent plastics, adjust the haze meter and perform measurements in accordance with Test Method D 1044

All the above tests conform to the same standards adopted by the SABS in evaluating and testing window film products. For more information on these tests, please feel free to contact us.