

Ködimelt™ TPS®

Desiccated Thermoplastic Spacer

Description

Ködimelt™ TPS® is the ultimate warm-edge spacer for the manufacture of insulating glass units. Ködimelt™ TPS® consists of a thermoplastic elastomer formulated with the inclusion of desiccant for drying the air space between the glass lites. The thermoplastic spacer is applied with the use of patented Bystronic TPS® Application Systems. The recommended structural secondary sealant for use with Ködimelt™ TPS® is Kömmerling GD 116 Polysulfide.

Basic Use

Ködimelt™ TPS is used for the manufacture of warm edge insulating glass units with varying shapes and air space widths.

The application surfaces must be clean, dry and free of dust and grease. For cleaning the glass panes, suitable glass washing equipment must be used. Ködimelt™ TPS® is delivered in "ready to use" state, but must be heated to 120°C (248°F) to 160°C (320°F) and extruded with a patented Bystronic TPS® Line. Pre-conditioning of the material in a drum warmer may be required for high volume production.

Safety

Prior to working with this or any product consult product label and Material Safety Data Sheet (MSDS) for necessary health and safety precautions.

CAUTION: appropriate care must be taken to avoid burns when using this or any hot melt sealant.

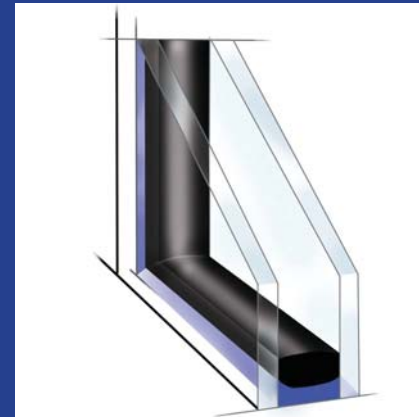
Limitations

- Ködimelt™ TPS® is not intended for use as a structural sealant.
- Only approved structural secondary sealants are to be used with Ködimelt™ TPS®. Consult your ADCO Sales Representative for a list of approved sealants.

Glazing Compatibility

It is recommended that glazing materials be tested for compatibility and that all units be glazed in accordance with GANA (Glass Association of North America) and IGMA (Insulating Glass Manufacturers Alliance) recommendations. Contact with any solvent, oil, or plasticizer-containing glazing materials should be avoided.

CAUTION: All statements and technical information in this document are based on tests or data that ADCO believes is reliable. However, ADCO does not warrant or guarantee the accuracy or completeness of this information. The user has sole knowledge and control of factors that can affect the performance of ADCO's products in the user's intended application. It is the user's responsibility to conduct tests to determine the compatibility of ADCO's product with the design, structure, and materials of the user's end product and the suitability of ADCO's product for the user's method of application and intended use. The user assumes all risk and liability arising out of such use.



Features	Benefits
Low moisture vapor transmission rate (MVTR)	Longest possible IG unit life
Very low gas transmission rates	Insulating gas loss of rates as low as 0.1% per year*
Pre-desiccated	Eliminates the need to purchase and handle desiccant beads
Permanently flexible	Window maintains primary seal through lifetime of thermal cycling
Low thermal conductivity	Fewer condensation problems, lower energy use
Reflective surface	Mirrors any sash color for an attractive site-line
Fully automated application	Can produce a wide range of shapes, stepped units, infinitely varying spacer widths, and triple pane units

* Ködimelt™ TPS® was independently certified by TNO Science & Industry in accordance with EN1279-3 on 9/1/2006 to a gas leakage rate of 0.1% per year.

Packaging

Ködimelt™ TPS® is available in the following standard package:

Part #	Package	Weight
IG-033B-507S	Steel Drum	507 lb (230kg)

Storage and Shelf Life

Store material in original unopened packaging at temperatures between 40°F-100°F. Shelf life is 12 months when stored as recommended.



Technical Data

Physical Properties		
	Typical Values	Test Method
Color	Black	
Base	Synthetic Rubber	
Specific Gravity	1.25 +/- 0.01	
Properties	Low moisture vapor transmission rate (MVTR), low gas permeability, low thermal conductivity	
Application Properties		
Service Temperature	-40°C to 80°C -40°F to 176°F	
Application Temperature	120°C to 160°C 248°F to 320°F	

NOTE:

The foregoing information is published as general information only. The listed properties and performance characteristics are typical values and are not to be interpreted as manufacturing specifications.



Highlight Munich Business Towers, Munich, Germany. TPS® Glass by Scholl Glas.



Code #0014-1209

WARRANTY: ADCO warrants its products to conform to ADCO's specifications at the time of sale when tested according to ADCO standards. If a product is proven to be defective when tested according to ADCO standards, ADCO will, at its option, refund the purchase price or replace or repair the defective product. THIS LIMITED WARRANTY IS THE BUYERS SOLE AND EXCLUSIVE REMEDY AGAINST ADCO AND IS IN LIEU OF ANY AND ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. In no event shall ADCO be liable for any special, incidental, consequential, or punitive damages arising out of any claims whether based on negligence, contract, warranty, strict liability or otherwise.