

TECHNOMELT® XPO 3018

October 2021

PRODUCT DESCRIPTION

TECHNOMELT® XPO 3018 provides the following product characteristics:

Technology	Polyolefin
Chemical Type	Hot Melt Adhesive
Cure	Physical Setting
Appearance	White
Components	One-component
Viscosity	Low medium
Application	Bonding, General Assembly and Filter Pleating
Application temperature	140 to 180°C (285 to 356°F)
Specific Benefits	<ul style="list-style-type: none">● Good heat stability● Good heat resistance● Broad substrate adhesion● Suitable for low energy non-polar substrates such as polypropylene

TECHNOMELT® XPO 3018 is a one-component industrial grade Polyolefin Hot Melt Adhesive. Once applied TECHNOMELT® XPO 3018 solidifies to form a resilient adhesive with good heat stability, heat resistance and bond strength. Typical applications include air filter pleating assembly. It is a versatile adhesive for many substrates such as polyolefin or other low energy non-polar substrates.

TYPICAL MATERIAL PROPERTIES

Physical Properties

Specific Gravity @ 23°C ISO 1183	0.92
Softening point, (in glycerin, 5°C / minute), °C ASTM E28	115
Melting Viscosity- RVT, mPa·s (cP) ASTM D3236: Spindle 27, speed 20 rpm:	
@ 160°C	4,000
@ 170°C	3,000
@ 180°C	2,300
Hardness Shore, Durometer A ASTM D2240	66

GENERAL INFORMATION

This product is not recommended for use in pure oxygen and/or oxygen rich systems and should not be selected as a sealant for chlorine or their strong oxidizing materials.

For safe handling information on this product, consult the Safety Data Sheet, (SDS).

DIRECTIONS FOR USE

1. Use gloves to minimize skin contact. DO NOT use solvents for cleaning hands
2. The surfaces of the substrate must be dry and free from oil, grease, and dust
3. Hotmelt application system with extruder recommended
4. When bonding to a substrate with high thermal conductivity the use of a specific application temperature is required for good wetting
5. Do not heat the product above the specified application temperature range
6. When the product is not in use do not apply heat, this will degrade the quality of the product and in extreme cases cause carbonization or charring
7. Carbonized material must be removed mechanically
8. To internally clean the system add TECHNOMELT® PUR CLEANER 2 to reservoir and continue to purge material until it comes out blue in colour
9. For cold cleaning of surface soiling on application equipment, conveyor belts or other machine parts TECHNOMELT® CLEANER MELT-O-CLEAN can be applied. It is based on natural citrus extract and facilitates manual cleaning even in case if pronounced charring. Before using TECHNOMELT® CLEANER MELT-O-CLEAN, its suitability for lacquered and synthetic coated surfaces should be tested



Storage:

Store product in the unopened container in a cool dry location. Storage information may be indicated on the product container labeling.

Optimal Storage: Up to 28° C. Storage above 35° C can adversely affect the ability to handle and dispense the material.

Material removed from containers may be contaminated during use. Do not return product to the original container. Henkel cannot assume responsibility for product which has been contaminated or stored under conditions other than those previously indicated. If additional information is required, please contact your local Henkel representative.

Product Specifications

The technical data contained herein are intended as reference only and are not considered specifications for the product. Product specifications are located on the Certificate of Analysis or please contact Henkel representative.

Approval and Certificate

Please contact Henkel representative for related approval or certificate of this product.

Data Ranges

The data contained herein may be reported as a typical value. Values are based on actual test data and are verified on a periodic basis.

Temperature/Humidity Ranges: 23°C / 50% RH = 23±2°C / 50±5% RH

Conversions

(°C x 1.8) + 32 = °F
 kV/mm x 25.4 = V/mil
 mm / 25.4 = inches
 N x 0.225 = lb/F
 N/mm x 5.71 = lb/in
 psi x 145 = N/mm²
 MPa = N/mm²
 N·m x 8.851 = lb·in
 N·m x 0.738 = lb·ft
 N·mm x 0.142 = oz·in
 mPa·s = cP

Disclaimer

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