

3M™ Acrylic Foam Tape Series PX5000

Technical Data Sheet



Product Description

3M™ Acrylic Foam Tape Series PX5000 are made of acrylic foam and are particularly suitable for mounting automotive trim attachments. The special product properties allow high adhesion on difficult-to-adhere surfaces. In many cases, this allows attachment bonding without any further surface treatment.

Product Features

- Outstanding adhesion to low surface energy plastics (LSE) and many automotive paints.
- Operating temperature up to 90°C*.
- Optimized acrylate foam core for easy application and good adaptation to component surfaces.
- Temperature, weather, UV and solvent resistant.
- Suitable for all manual and automatic application processes.

Advantages

- 3M ™ Acrylic Foam Adhesive Tapes can compensate stress due to their unique viscoelasticity. In contrast to foam adhesive tapes (PE, PU adhesive tapes), they can cope with significant elongation differences between substrates in case of temperature changes.
- Easy to use: The tape can be easily processed in multiple ways to cut and to apply.
- Immediate initial adhesion: The initial adhesion allows immediate further processing without temporary support or fixtures.
- Freedom of design: enables the easy differentiation of vehicle models through modified trim attachments without change of the body configuration.
- Sealing and damping properties: positive improvement of NVH properties.

Product Construction

PX5000F

PX5000T



Physical Properties

PX5005	PX5008	PX5011	PX5015
0.5 mm	0.8 mm	1.1 mm	1.5 mm
plates (Specification va	alues have to be deter	mined on customer su	bstrate)
18 N/cm	19 N/cm	21 N/cm	17 N/cm
18 N/cm	19 N/cm	21 N/cm	17 N/cm
23 N/cm	24 N/cm	26 N/cm	26 N/cm
23 N/cm	24 N/cm	26 N/cm	26 N/cm
670 kg/m³			
3M™ Acrylic Foam Tape			
Gray			
F: Red branded polyethylene foil, both sides siliconized. Tabbing method undercut. T: Brick polyethylene foil, single side siliconized plus secondary liner (for level-wound rolls). Tabbing tapes can be used. P: Siliconized paper.			
ZX: high performance adhesive with very good initial and excellent final tack for low surface energy plastics (LSE), such as PP/EPDM, or medium surface energy paints.			
Film liner & Paper liner Duration: 24 months from date of manufacturing Conditions: 4 °C - 38 °C and 0 - 95 % RH in original unopened packaging – optimum: 23 °C ± 2 °C and 50% ± 4 % RH Levelwound rolls to be stored horizontally.			
-40°C to +90°C, short term 120°C (both values are load-dependent). *Applications demanding >80°C require additional testing.			
An extended liner tab is recommended. PSA Tabbing: 3M™ Tabbing Tape 5699 for siliconized liners (Test first). T Version use 3M™ Heat-bonding tabbing 5081 - 5082.			
Number of splices depends on order quantity and roll length. Level-wound rolls have 3-4 splices on average. Smaller order quantities (less than 400 m²) rolls could contain a significantly different number of splices.			
Please refere to the product label and Safety Data Sheet (SDS) for health and safety information before using. Observe proper handling precautions as outlined in the SDS, which is available on request or use www.3M.com/msds. The product is published as material entry and is available for access on www.mdsystem.com. For Product IMDS ID Number, email requests to 3M-IMDSrequest@mmm.com. (In Germany use ge-produktsicherheit@mmm.com).			
	O.5 mm plates (Specification values (Specification values are load *Applications: 4 °C - 3 °C + 95 °C, show (both values are load *Applications demail An extended liner ta PSA Tabbing: 3M TM Number of splices d Level-wound rolls had than 400 m²) rolls conditioned in the SDS, The product is pure www.mdsystem.cor IMDSrequest@mmn (In Germany use ge-	O.5 mm O.8 mm plates (Specification values have to be detern 18 N/cm 19 N/cm 19 N/cm 23 N/cm 24 N/cm 23 N/cm 24 N/cm 3M™ Acrylin Gr F: Red branded polyethylene foil, boundercut. T: Brick polyethylene foil, single side si wound rolls). Tabbing tapes can be used. P: Siliconized paper. ZX: high performance adhesive with very low surface energy plastics (LSE), such a paints. Film liner & Paper liner Duration: 24 months from date of manufaconditions: 4 °C - 38 °C and 0 - 95 % RH in original unopened packagin 50% ± 4 % RH Levelwound rolls to be stored horizontally40°C to +90°C, short term 120°C (both values are load-dependent). *Applications demanding >80°C require An extended liner tab is recommended. PSA Tabbing: 3M™ Tabbing Tape 5699 T Version use 3M™ Heat-bonding tabbin Number of splices depends on order qualevel-wound rolls have 3-4 splices on aventan 400 m²) rolls could contain a signification in the SDS, which is available on The product is published as material www.mdsystem.com. For Product IMI IMDSrequest@mmm.com. (In Germany use ge-produktsicherheit@r	0.5 mm 0.8 mm 1.1 mm Delates (Specification values have to be determined on customer sure to the Norm 19 N/cm 21 N/cm 18 N/cm 19 N/cm 21 N/cm 23 N/cm 24 N/cm 26 N/cm 23 N/cm 24 N/cm 26 N/cm 23 N/cm 24 N/cm 26 N/cm G70 kg/m³ 3M™ Acrylic Foam Tape Gray F: Red branded polyethylene foil, both sides siliconized undercut. T: Brick polyethylene foil, single side siliconized plus secon wound rolls). Tabbing tapes can be used. P: Siliconized paper. ZX: high performance adhesive with very good initial and exclow surface energy plastics (LSE), such as PP/EPDM, or medipaints. Film liner & Paper liner Duration: 24 months from date of manufacturing Conditions: 4 °C - 38 °C and 0 - 95 % RH in original unopened packaging – optimum: 23 °C 50% ± 4 % RH Levelwound rolls to be stored horizontally. -40°C to +90°C, short term 120°C (both values are load-dependent). *Applications demanding >80°C require additional testing. An extended liner tab is recommended. PSA Tabbing: 3M™ Tabbing Tape 5699 for siliconized liners T Version use 3M™ Heat-bonding tabbing 5081 - 5082. Number of splices depends on order quantity and roll length. Level-wound rolls have 3-4 splices on average. Smaller order than 400 m²) rolls could contain a significantly different number please refere to the product label and Safety Data Sheet (safety information before using. Observe proper handloutlined in the SDS, which is available on request or use www The product is published as material entry and is avail www.mdsystem.com. For Product IMDS ID Number, emilmDSrequest@mmm.com.

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