

Technical Data Sheet

Issue: 03/2011

Product-Line: KSM (Base for EST)
Material: Rigid PVC silver
TEXTIT-Material-Code: TMC-1021

Material data:

Material	Transparent (silver) rigid PVC, impact modified Thickness: 0,5 mm Colour: transparent (silver)
Temperature range	-22°C to + 78°C
Printability	Thermotransfer printer

Mechanical properties

Density	1,33 g/cm ³	DIN 53479
Impact strength	> 600kJ/m ²	DIN EN ISO 8256
Tensile strength	> 46 N/mm ²	DIN EN ISO 527-1-3

Thermal properties

Vicat softening temperature	+78°C	DIN EN ISO 306
Cold firmness	-22°C	DIN 53372
Resistance	Resistant against water, humidity, alcohol, conventional household cleaners and industrial chemicals	
Storage conditions	+23°C and 50% RH without direct sunlight	
RoHS-compliant	Yes	

Technical Data Sheet

Issue: 10/2011

Product-Line: KSM (Base for SSK, EST)
Material: Adhesive transfer tapes
TEXTIT-Material-Code: TMC-1022

Material data:

Adhesive	Adhesive Transfer Tapes with Adhesive 300 offer excellent adhesion to a wide variety of surfaces, including low surface energy plastics and foam. This pressure sensitive acrylic adhesive family is available in several thicknesses for a wide variety of surface bonding and provides a variety of liner configurations to help ensure excellent process flexibility.																														
Typical Physical Properties and Performance Characteristics	<p>ASTM D-3330 (modified) 15 minute dwell (90 degree peel, 12"/min. 305 mm/min) 2 mil aluminum foil to stainless steel</p> <table border="1" data-bbox="560 927 1382 987"> <thead> <tr> <th>Adhesive Transfer Tapes</th> <th>Oz./In.</th> <th>N/100 mm</th> </tr> </thead> <tbody> <tr> <td></td> <td>66</td> <td>72</td> </tr> </tbody> </table> <p>ASTM D-3330 (modified) (90 degree peel, 12"/min. 305 mm/min.) 2 mil aluminum to various surfaces</p> <table border="1" data-bbox="560 1120 1481 1328"> <thead> <tr> <th rowspan="2">Adhesive Transfer Tapes</th> <th colspan="2">72 Hour Room Temp.</th> <th colspan="2">72 Hour 70°C</th> </tr> <tr> <th>Oz./In.</th> <th>N/100mm</th> <th>Oz./In.</th> <th>N/100mm</th> </tr> </thead> <tbody> <tr> <td>Metal (Stainless Steel)</td> <td>98</td> <td>107</td> <td>114</td> <td>125</td> </tr> <tr> <td>High Surface Energy Plastic (Polycarbonate)</td> <td>82</td> <td>90</td> <td>114</td> <td>125</td> </tr> <tr> <td>Low Surface Energy Plastic (Polypropylene)</td> <td>55</td> <td>60</td> <td>61</td> <td>67</td> </tr> </tbody> </table>	Adhesive Transfer Tapes	Oz./In.	N/100 mm		66	72	Adhesive Transfer Tapes	72 Hour Room Temp.		72 Hour 70°C		Oz./In.	N/100mm	Oz./In.	N/100mm	Metal (Stainless Steel)	98	107	114	125	High Surface Energy Plastic (Polycarbonate)	82	90	114	125	Low Surface Energy Plastic (Polypropylene)	55	60	61	67
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Temperature Range	<p>Application temperature +10°C bis +40°C Service temperature -40° bis +85°C</p>																														
Environmental Performance (continued)	<p>Chemical Resistance: When properly applied, nameplate and decorate trim parts will hold securely after exposure to numerous chemicals including oil, mild acids and alkalis.</p> <p>Heat Resistance: The Adhesive 300 is usable for short periods (minutes, hours) at temperatures up to 250°F (121°C) and for intermittent longer periods of time (days, weeks) up to 150°F (66°C)</p>																														
Specification	<ul style="list-style-type: none"> - UL listed MH 11410 for Out- and Indoor application - MIL-P-19834B - AGA- and CGA-recognized 																														
Storage Conditions	+ 23° and 50% RH without direct sunlight																														
RoHS-compliant	Yes																														