

Technical Information



Macromelt TPX 20-347

Teroson

Type of Product:	Thermoplastic hot melt adhesive based on polyamide	
Field of application:	Hot melt adhesive for scratch protection for concrete and clay tiles	
Application system:	Application systems for hot melt adhesives	
Material properties:		
Colour:	amber	
Softening point:	104 °C	ASTM E 28 (in glycerine)
Melting viscosity:	160 °C 3300 mPa.s 180 °C 1600 mPa.s 200 °C 850 mPa.s	ASTM D 3236 RVT, spindle 27)
Yield strength:	8.6 N/mm ²	DIN 53455
Break strength:	5.3 N/mm ²	Specimen no. 4
Elongation:	100 %	cross-head- speed: 50 mm/min
Shore-D-hardness:	40	DIN 53505
Application temperature:	160 - 200 °C	



Handling suggestions:	<p>When substrates with high heat conductivity shall be bonded the use of a given application temperature is necessary for good wetting. The substrate surface should be free of dust and cleaned with a suitable solvent so that there is no fat and oil.</p> <p>Do not heat the product over the mentioned application temperature range. Without using do not heat the product for a long time, because the quality can decrease or extremely the product cokes. The standby temperature is 80 °C.</p> <p>Macromelt TPX 20-347 may absorb moisture from the air. This will not be obvious in the solid form, but could cause foaming as the adhesive is melted which may result in poor bonds. Re close the container tightly as soon as sufficient adhesive has been removed for immediate use.</p>
Apparatus cleaning:	<p>Remove very strong coked and not thermoplastic rests of hot melt mechanically. We recommend a solvent free cleaning agent for the hot application apparatus like Macromelt XS 0062 (see separate technical information).</p>
Safety precautions:	<p>No health hazards are expected when Macromelt TPX 20-347 is in solid form. However, once melted it is like any hot liquid, which can produce severe burns. The appropriate safety precautions should be used (see also safety-data-sheet). If the molten adhesive has contacted your skin, cool the affected area immediately with cold water. Do not try to remove the adhesive from the skin. Go to your first aid station for attention.</p>
Regulations:	<p>On the base of the available data, the product is not a hazardous material according to the German chemical law or the hazardous substances regulations.</p>
Form of supply:	<p>Granulate, multi-wall paper sacks inside with aluminium foil containing 20 kg net.</p>
Storage:	<p>Up to max. +35 °C, min. 24 months in original closed container. Be sure that used container are closed immediately with insulation against moisture. Maybe the adhesive and application properties can decrease by storing with open containers.</p>

Information provided herein is based upon our practical knowledge and experience. Due to different materials used as well as to varying working conditions which are beyond our control we strictly recommend to carry out intensive trials. Any warranty and/or liability shall not be based on above information or personal consultation, except the contents of a consultation is explicitly confirmed by us in writing.

This Technical Data Sheet supersedes all previous editions.