

Description

The ORABOND® UHB03100T tape consists of a clear-foamed acrylic pressure sensitive adhesive designed for high performance bonding and mounting applications requiring high shear holding power and/or high temperature resistance. The viscoelastic properties of the UHB tapes allow them to balance the occurring tensions caused by different thermal expansion coefficients of bounded materials. Further, the adhesive flows into the microscopic material surfaces achieving through an excellent 'wet out' extremely high bonding results. The clear adhesive improves the bond line aesthetics when joining transparent materials and offers excellent UV-stability.

Liner

Red PE-Film (130 microns) with white ORAFOL-Logo

Adhesive

Foamed acrylic "UHB03", transparent, 1000 micron

Area of use

Ideal as a bonding solution for glass, clear plastics and applications requiring an invisible bonding line. These soft and tacky foams offer a great solution for sealing and bonding. Wide use in the solar industry, as well as in glass and safety glass applications.

Technical Data

Thickness* (foam + adhesive)	1000 micron	
Density*	1000 kg/m ³	
Temperature resistance***	-40° C to +150° C	
Peel strength* (ASTM D3330, stainless steel)	after 24 h	33 N/25 mm
Shear strength* (ASTM D1002, stainless steel)	after 24 h	0.44 N/mm ²
Tensile adhesion (ASTM D897, aluminium)	after 24 h	0.59 N/mm ²
Shelf life**	2 years	
Application temperature	> +15° C	

* average ** in original packaging, at 20°C and 50% relative humidity *** 1h, normal climate of Central Europe

IMPORTANT NOTICE

All ORABOND® products are subject to careful quality control throughout the manufacturing process and are warranted to be of merchantable quality and free from manufacturing defects. Published information concerning ORABOND® products is based upon research, which the Company believes to be reliable although such information does not constitute a warranty. Because of the variety of uses of ORABOND® products and the continuing development of new applications, the purchaser should carefully consider the suitability and performance of the product for each intended use, and the purchaser shall assume all risks regarding such use. All specifications are subject to change without prior notice.

ORABOND® is a registered trademark of ORAFOL Europe GmbH.