

Description

The ORABOND® UHB03050T tape consists of a clear-foamed acrylic pressure sensitive adhesive designed for high performance bonding and mounting applications requiring high shear strength 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 and by an excellent 'wet out' achieves 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, 500 micron

Area of use

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

Technical Data

Thickness* (foam + adhesive)	500 micron	
Density*	1000 kg/m ³	
Temperature resistance***	-40° C to +150° C	
Peel strength* (ASTM D3330, stainless steel)	after 24 h	29 N/25 mm
Shear strength* (ASTM D1002, stainless steel)	after 24 h	0.54 N/mm ²
Tensile adhesion (ASTM D897, aluminium)	after 24 h	0.69 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

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