

### Specifications/Properties

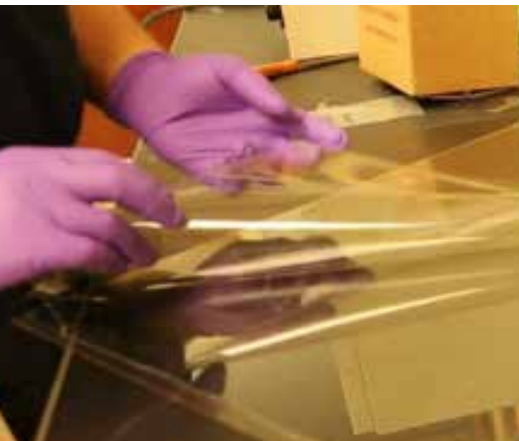
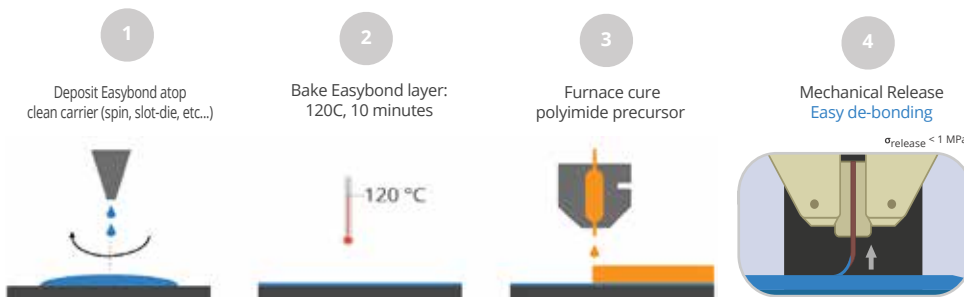
Property	Easybond-075	Easybond-018
Release Strength <sup>a</sup> (cN/cm)	<5	<30
Viscosity (cP)	80	20
Maximum Operating Temperature <sup>b</sup> (°C)	500	
<b>Chemical Compatibility<sup>c</sup></b>		
Polar Protic Solvent (e.g. water)	EXCELLENT	
Polar Aprotic Solvent (e.g. $\gamma$ -Butyrolactone)	EXCELLENT	
Nonpolar Solvent (e.g. chloroform)	EXCELLENT	
Strong Acid (e.g. 1.0M HCl)	EXCELLENT	
Strong Base (e.g. 1.0M KOH)	POOR	

<sup>a</sup> Measured between polysulfide thermosetting films (e.g. Pylux-MF) and polyimide films (e.g. PMDA-ODA) and borosilicate glass carriers 2 hours post-anneal.

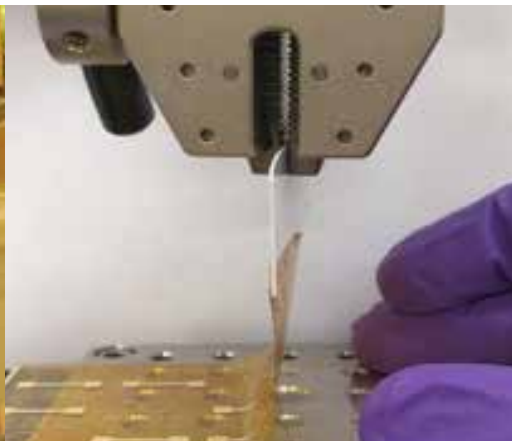
<sup>b</sup> Practical limit of Ares' equipment – may be used up to temperatures of 600°C on a case-by- case basis.

<sup>c</sup> No observable change in material properties and/or dimension for:  
EXCELLENT >30min / GOOD - 10-30min / FAIR - 5-10min / POOR - <5min

### How to use Easybond?



Use of Easybond to mechanically release 50um-thick Pylux™ MF film from a G2 display glass carrier.



Use of Easybond to mechanically release 50um-thick PI film from a display glass carrier.

*Pylux™ is a trademark of Ares Materials, Inc.*

Easybond™ is a specialized formulation that has been developed to enable the easy release of a thin polymer film coated onto a rigid carrier.

Easybond™ can be applied with a variety of coating methods and can withstand subsequent processing at temperatures as high as 500C.

Although Easybond was originally developed as a release layer for Pylux polymer films, it can be equally well applied for the mechanical release of polyimide film.

Easybond™ offers a **low-cost, high-yield** (peel-off) release method for a variety of polymer films that require attachment to a rigid carrier for **microfabrication processing**.

**To request samples, or for further information please contact:**

<http://aresmaterials.com/products-easybond/>  
[info@aresmaterials.com](mailto:info@aresmaterials.com)  
 Ares Materials, Inc.  
 17217 Waterview Pkwy.  
 Dallas, TX 75272  
 USA