

Honeywell Aclar® Films



Aclar® UltRx 6000 Film

**The ultimate thermoform barrier for
pharmaceutical packaging**

Honeywell

The new gold standard in thermoformable moisture barrier protection

Drug formulations are becoming more and more complex. API molecules are getting larger. Modified release, orally disintegrating tablets (ODT) and fixed-dose combinations (FDC) are increasingly used as tools to differentiate drug therapies and extend patent protection. These latest drug formulations are creating physical and chemical stability issues, and in the past, cold formed foil (CFF) was the only blister packaging material available for them. With the introduction of Aclar® UltRx 6000 ultra-high moisture barrier film, the pharmaceutical community can now use a thermoformed package design for their highly sensitive drugs. UltRx 6000 film bridges the gap between the industry's current needs and future needs.

UltRx 6000 is 6 mils (152 µm) and like all Aclar films, it is a clear poly-chloro-tri-fluoro-ethylene (PCTFE) thermoformable film that helps you reduce pack size, extend shelf life, gain manufacturing efficiencies and increase brand awareness. Compared to UltRx 4000 (4 mils, 102 µm), UltRx 6000 can offer a theoretical 50% increase in moisture barrier protection.

Aclar UltRx 6000 advantages:

- **Single packaging film for all climatic zones and locales.**

Your product launch may extend from hot and dry to hot and humid regions. The ability to use one package globally – even in Zone 4B conditions – is now possible. Aclar UltRx 6000 provides the lowest moisture vapor transmission rate (MVTR) of any clear thermoformable film, allowing for global use of a single packaging film.

- **Simplify operations.**

UltRx 6000 is an ultra-high barrier film solution that can be used across your complicated supply chain. UltRx 6000 can be used on existing thermoforming equipment with minor process adjustments. With UltRx 6000, you can achieve a smaller blister footprint, especially with large tablet and capsule sizes.

- **Differentiate and innovate your packaging.**

UltRx 6000 provides an alternative to cold formed foil (CFF) for extremely moisture-sensitive medications. Drugs that were previously not appropriate for thermoforming now have a new package design option with our



Comparing Water Vapor Transmission Rates of Aclar® UltRx 4000 and Aclar® UltRx 6000

Conditions	WVTR (g/package/day)	
	UltRx 4000	UltRx 6000
30°C/65% RH	0.0004	0.0003
40°C/75% RH	0.0011	0.0007

new clear barrier film for pharmaceutical packaging.

Aclar UltRx 6000 film is the latest innovation from Honeywell. For more than 40 years, Honeywell and Aclar have been the trusted choice for pharmaceutical packaging. Honeywell continues to set the global standard for high-barrier thermoform films. Add Aclar UltRx 6000 laminate to your next stability test.



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For additional information visit:

www.aclaradvantage.com/ultrx6000

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