

SEGMENT PROFILE

Vydyne® PTR resins for films

The better nylon



Our Grades

Food applications

Designed to protect foods and extend shelf life, Vydine PTR grades' high puncture-resistant properties ensure food products reach customers in perfect condition. Our grades meet regulatory requirements for food contact safety while maintaining pleasing aesthetics with a soft-touch feel.



High-temperature applications

Heat stabilized for prolonged exposure (6 to 12 hours) to high temperatures (150 to 205C), Vydine PTR resins are ideal for cooking bags, autoclave vacuum bags and other high-heat applications.



Industrial applications

Industrial packaging made with Vydine PTR grades have the strength, reliability and performance required for handling and shipping. And Vydine PTR resins' excellent creep resistance make them ideal for air pillows. Broken bags and damaged goods are things of the past.



Category		Industrial and flexible food packaging									Heat stabilized flexible packaging	
		842A	840B	833B	840C	833C	840D	840F	833F	840G	75HB	75HF
Product	→											
Food contact compliant	→	■	■	■	■	■	■	■	■	■	■	
Melting point	→	255C	245C	245C	235C	235C	228C	220C	220C	215C	245C	220C
Applications	↓											
Autoclave films											■	■
Blown monolayer and multilayer films			■		■		■	■		■	■	■
Cast and multilayer films		■		■		■				■		
Novel BOPA films				■		■				■		

Clearly Superior

It's estimated that 40% of food and 11% of products never make it to the consumer because of spoilage or damage. Some think the answer is more packaging. At Ascend, we think the answer is better packaging.

Our new patent-pending Vydyne® PTR resins for films are puncture- and tear-resistant – minimizing the likelihood of product or food damage throughout the supply chain. Vydyne PTR resins give packaging designers the flexibility to downgauge or maintain their current film thickness and increase protection.



Benefits at a Glance

- High puncture resistance
- High tear strength
- Clarity and gloss
- High-heat resistance
- High strength and ductility
- Process ease for blown film and post processes

Designed for sustainability

Vydyne PTR high-strength resins provide package producers the flexibility to downgauge and retain performance or maintain their gauge and improve film performance. Either way, package defects and product waste have met their match.

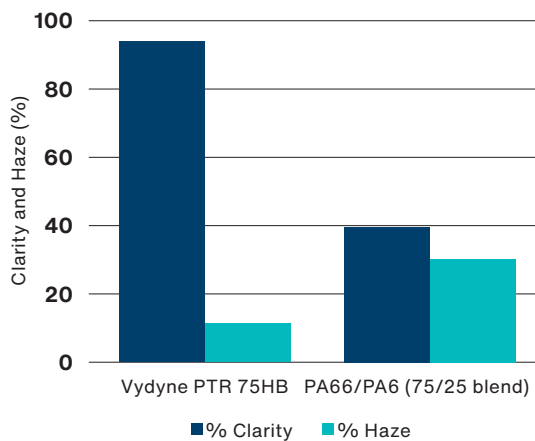
Vydyne PTR resins are easily processed on traditional film manufacturing equipment including blown, cast and biaxial-oriented film processes.



A flexible solution, Vydyne PTR grades are compatible with other resins used in multilayer films including tie layers, barrier layers and polyolefins. With tailored crystallization rates, our grades enable high-gloss and superior transparency films.

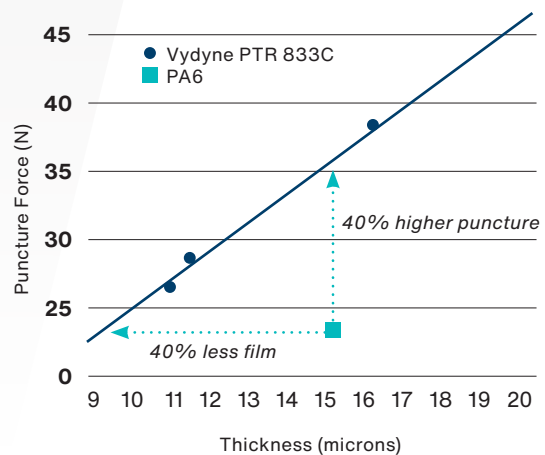
Nylon 6,6 and nylon 6 blend replacement

Vydyne PTR 75HB resin produces more homogenous film with better aesthetics, while increasing throughput rates by 30%.



Oriented film applications

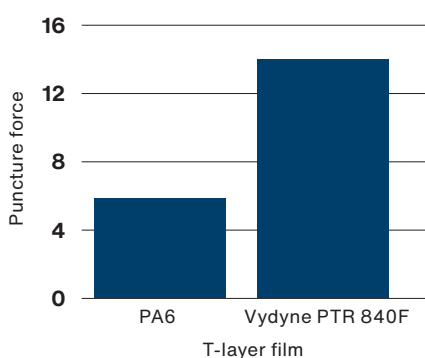
Biaxially oriented films made with Vydyne PTR resins provide 40% higher puncture resistance than films made with nylon 6. Or you can achieve the same properties as nylon 6 by using 40% less film.



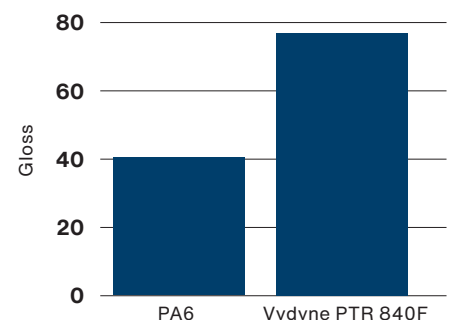
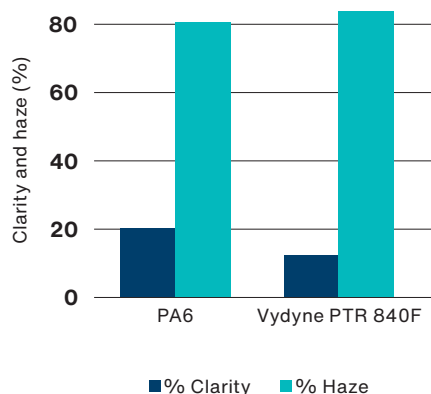
Multilayer blown film applications

In multilayer films, Vydyne PTR resins improve puncture resistance and film aesthetics. Vydyne PTR resins can be used in various film structures and optimized to meet your performance requirements.

Mechanical



Aesthetics



About Ascend

Ascend Performance Materials is the largest fully integrated producer of nylon 6,6 resin. We manufacture and reliably supply world-class plastics, fibers and chemicals that are used in thousands of everyday applications such as car parts, electronics and cable ties.

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inspiring everyday