Novomer turns CO2 into high-performance plastics

THACA — A low-cost, sustainable polymer invented in Ithaca that enables carbon dioxide to replace fossil fuels in high-performance plastics made its commercial debut

"That was our first real vali-tion that this technology is work-yout as we had anticipated," said att Allen, vice president for cata-

werge can replace up to 50 at of petroleum-based prod-sed in the traditional manu-ing process, reducing its in footprint and lowering its hide still maintaining high manners.

See NOVOMER, Page 17

Amy Wood Gonzalez



Novomer chemist Bill Keefe would be scaled up to the n tor running a carbon dioxide polymerization – the same type of reaction that in the company's R&D lab located in thaca's South Hill Business Campus.

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Jowat was really good at working with us, and telling what they need ed and how we could help them. And we ended up with a nice product that they're selling now."

One hallmark of the new and they is the strength of the product hat they have additionally they have additionally they have been always to the new and they have been as they have been and have been as they have been as the hard have been as the hard has the hard have been as the hard has the hard

tive is its durability. Jowat in twant it to fall apart when it ches water, "Allen said." Our terral has very good hydrolytic istance and when you add it to formulation, it gives the advert the performance they need your sacrificing performance in our sacrificing performance in

ther challenge Novomer was demonstrating its manu-ng capabilities on a commer

"Customers don't want to adopt
our material unless you show you
an provide if. "Allen said. They
an if you don't hart of devote the resources
o validating that your product
works if you don't have a way to
himately meet what their demand
s. So it was critical that we meet this
bemand and demonstrated that we
yould manufacture it in a plant.
That was a key success last year."
With an increasing emphasis on
oustainability, Movomer seems
outsided for increased growth in the

fermentation. By using

counting years.
"Our polymer brings a unique performance to the market at a price point that I think opens it up to much broader applications," the performs distinctly from what's out there competitively. And I finnik people are looking for alternatives COST ALLEN NOVOMER materials but bring the these high-performance feedstock, we can make carbon dioxide as a

Allen

of energy generation but synthesis and synthesis, cement processes — ammonia also from other industrial waste product primarily "Carbon dioxide is a

ree key strategies: rovide materials that

iere owners are located: various locations what do you attribute your continuing success?: Del the performance product at a lower cost than similar product.

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Year founded: 2004
Local address: 950 Danby Road. S
Company headquarters locatio
Company headquarters locatio
Number employees locali: 40
Number employees total: 40
Owned by: Six venture capital inv

Road, Suite 198, Ithaca location: Waltham, Mass

Novomer Inc.