

CASE STUDY

Rethink Recycle: Empowering Atando Cabos





Vistamaxx™ performance polymers

Rethink Recycle: Empowering Atando Cabos

Discarded plastic fishing ropes were contaminating the delicate ecosystem of Patagonia. An inspirational project, Atando Cabos, began with the aim of collecting the ropes and recycling them into high-quality products. But the ropes were made of two incompatible materials that wouldn't mix and couldn't be separated. ExxonMobil collaborated with Atando Cabos to design a solution.

Key benefits Vistamaxx™ performance polymers bring to the Atando Cabos project



Compatibilizes
PP and PE



Up to 45% better
impact strength



Up to 40%
better flow rate

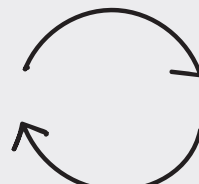


Unlocks new
product possibilities

By using Vistamaxx™ performance polymers, Atando Cabos was able to compatibilize PE and PP, turn the discarded ropes into high-quality end products and begin a project that brought environmental, social and financial benefits.



After 12 months
over
1,000
tons of rope recycled



By 2020 Atando Cabos
aims to recycle
2,000
tons of rope per year

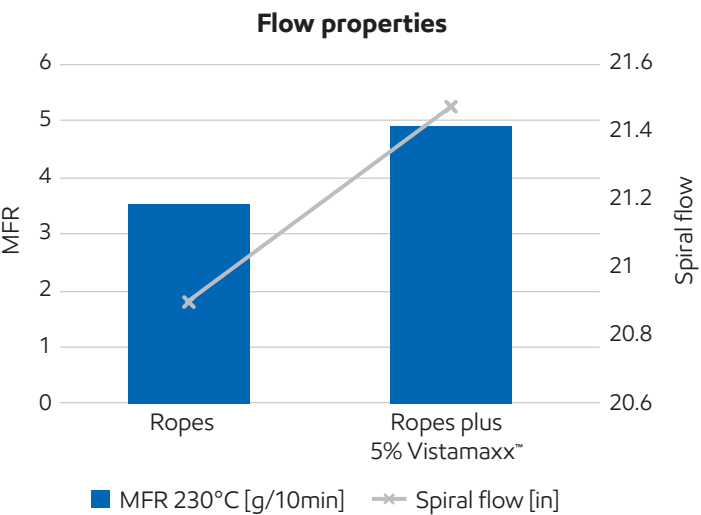
Rethink Recycle with Vistamaxx™ performance polymers

Vistamaxx™ performance polymers are a proven, cost-effective solution that allows low-cost recycling, targeting high-value applications.

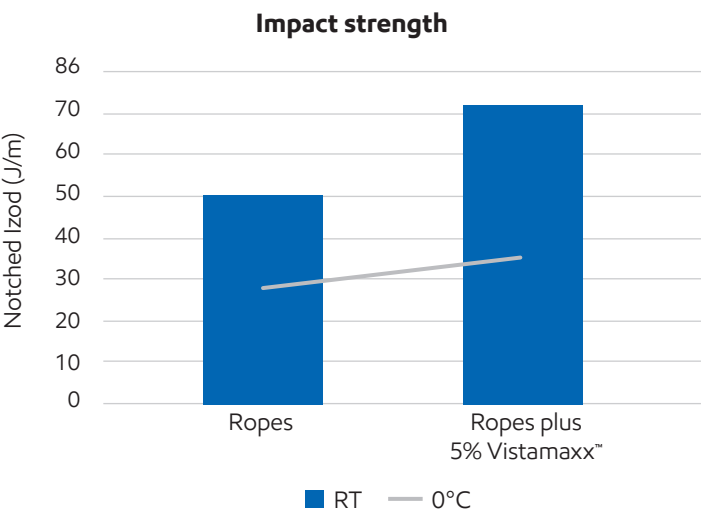
Recycling of plastics is a global growth market. One of the main barriers to using recycled material is the need for costly and time-consuming separation of incompatible plastics. By allowing incompatible PE and PP plastics to mix in the melt, Vistamaxx polymers reduce the need for separation and give manufacturers the possibility of higher-quality outputs, cost reduction due to increased recycled content and access to new lower-quality, low-cost sources.



Processing efficiencies and improved end product toughness as demonstrated by improved flow and impact properties:



Testing methods for MFR at 230°C, 2.16 kg based on ASTM D1238
Testing method for Spiral Flow based on ExxonMobil method



Testing method for Notched Izod based on ASTM D256

atandocabos.cl

Contact us for more information: exxonmobilchemical.com/rethinkrecycle

Bring your impossible



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