



Advanced Materials

Industry Applications

alphagary

orbia  Polymer Solutions

- Our facilities in Mexico are designed for the production of PVC compounds and plasticizers for a wide variety of applications, with onsite R&D capabilities to aid in specialized material design.
- Enhance performance features such as UV resistance, chemical resistance and fungus resistance available
- REACH, RoHS and Prop 65 compliant grades.
- Advancing Life Around the World in Mexico! We make our processes more efficient and sustainable every year such as in our Altamira facility where we increased our production levels and reduced CO₂ emissions of 1,000 TON CO₂ eq/year.

Our compounds help build a modern sustainable and efficient infrastructure-inside and out

From drainage and irrigation systems, rainwater harvesting, roofline fittings, wall coverings and window & door profiles to a variety of grips, seals and trim, we design our compounds to process efficiently and perform consistently in applications that touch out everyday lives.

Formulation integrity

Dedicated R&D team

Consistency with every blend

REACH, RoHS and Prop 65 reporting transparency

Regulatory Expertise

Broad polymer selection

Application examples

Materials for applications in the Building & Industry space include an array of flexible and rigid formulations (PVC, PO, and TPE compounds). We have numerous off-the-shelf options and often custom-formulate to fit customer specifications. Always, we look for ways to remove pain-points and bring value.



Window profiles, gaskets & seals



Seals, gaskets, profiles & belts



Sheet extrusion for billboards, roofing, wall covering & curtains



Furniture edging, floor mats, appliance parts & accessories



Grips, handles, knobs & grommets



Garden hoses and irrigation management

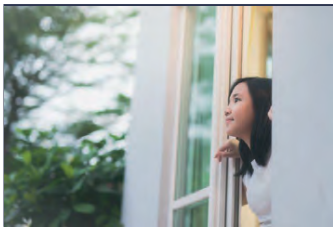


Building & Industry Compound Developments



EVOPRENE® TPE compounds for pipe seals

Certain EVOPRENE compounds have been tested to the International Standards BS EN ISO 681-2, specifically for underground pipe drainage connection systems



New life for discarded window trim

Alphagary's Chinley (UK) site collects discarded off-cuts – separates and pulverizes – and turns into usable material. Each year, Chinley recycles around 1,200 tons of window profiles made of PVC that customers turn into prime end products.



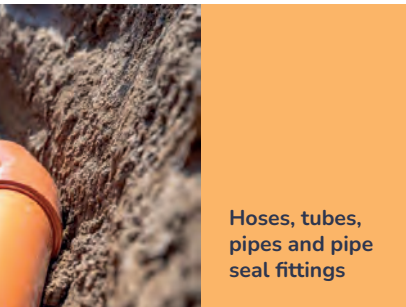
Introducing INFINITUDE™ - PVC compounds with recycled content

Grades formulated with up to 70 percent recycled content have been successfully processed into footwear soles, irrigation and garden hoses, floor mats, accessories and floor mats for the automotive industry, and wire jacketing and insulation.



Introducing EVOPRENE® ECO – TPE compounds with bio-based raw material

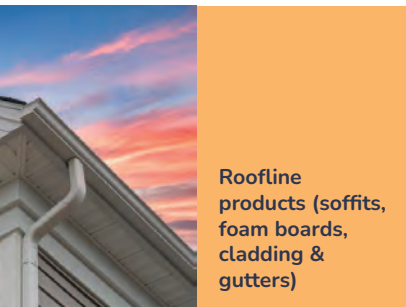
Comparing a compound with 25 percent bio-based raw materials against a compound formulated with traditional fossil-based raw materials, we found consistent mechanical properties, good heat resistance and consistent flow characteristics and surface finish.



Hoses, tubes, pipes and pipe seal fittings



Industrial molding and extrusion, battery jars, castor wheels



Roofline products (soffits, foam boards, cladding & gutters)

Materials formulated for Building & Industry Applications

Brand	Region*	Type	
FLEXOVIN®	LATAM	PVC compounds	Flexible interior applications, wire & cable applications
GW series®	US, Canada		
POLIVISOL®	LATAM		
SYLVIN®	US, Canada		
VINAPRENE®	Europe, Africa		
INFINITUDE®	All	PVC compounds with bio-based / recycled content	Flexible and Rigid applications
EVOPRENE®	All	TPE compounds TPE compounds, bio-based	Flexible interior and exterior applications
EVOPRENE ECO®	All		
GARAFLEX®	All	TPE compounds	Wire & Cable applications

*Throughout numerous acquisitions, we have bolted-on several product brands and have kept the heritage brand names to support our customers who have approvals with legacy products. Across our sites, we share formulation information and best practice to benefit customers locally.

Since the 1960s, Alphagary has earned its reputation for providing innovative, functional and durable solutions to a broad marketplace, often custom formulating a material to meet end-user and market-specific requirements. **We work with an extensive range of** polymers, giving our global customer base a variety of features to choose from as they create products that we rely upon for safety, health and comfort in our everyday lives.

We are passionate about safety, dedicated to quality, and committed to harnessing the power of material science and innovation to serve customer needs, address world challenges and provide sustainable solutions.



www.alphagary.com
enquiries@alphagary.com
Alphagary is an Orbia business
www.orbia.com

GENERAL PURPOSE | SPECIALTY PLASTICIZERS | PHTHALATE - FREE