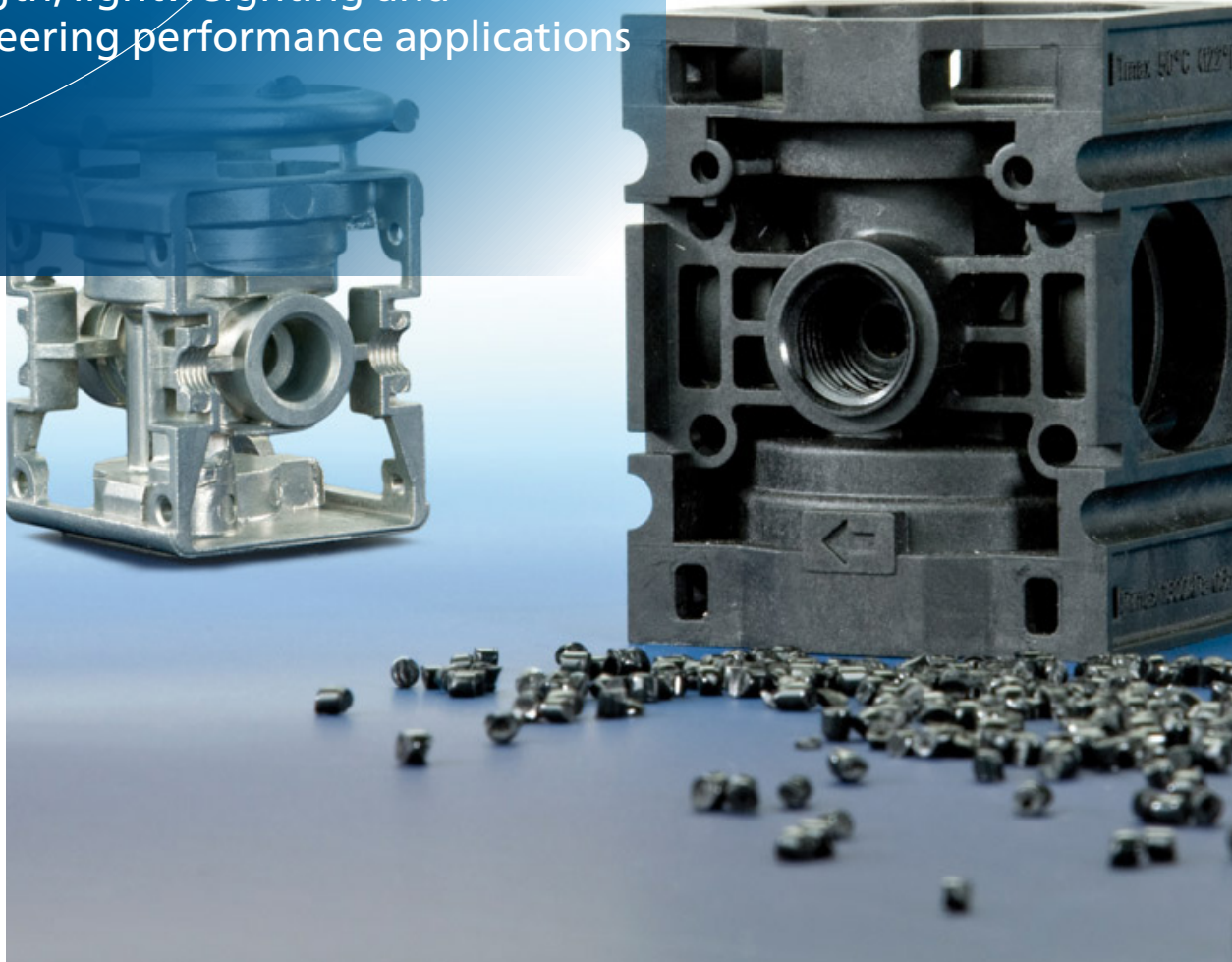


Product Focus

Advanced high-performance polyamides

Strength, lightweighting and
engineering performance applications



Advanced high-performance polyamides

Strength, lightweighting and engineering performance

Advanced polyamide solutions for demanding applications

EMS-GRIVORY offers a broad portfolio of high-performance polyamides for metal replacement, lightweighting, fluid handling, transparent components, premium surfaces and renewable-content solutions. Through Omya Performance Polymer Distribution, customers can access local technical support and the EMS-GRIVORY portfolio across represented markets.

Explore the portfolio by brand

CLICK A BRAND TO JUMP TO ITS PORTFOLIO SECTION

Brand	Portfolio positioning	CLICK TO EXPLORE
Grivory®	High-performance PA for structure, metal replacement and heat	 View brand →
Grilamid®	Specialty PA for low moisture, fluid handling and transparency	 View brand →
Grilon®	Versatile PA6 and PA66 engineering materials	 View brand →
Grinova®	Premium surfaces and selected PPS-alternative applications	 View brand →
GreenLine®	Renewable-content options across established platforms	 View brand →

 [View typical property comparison →](#)

Material selection by requirement

Product families	Key attributes
Metal replacement and structural stiffness	Grivory® GV, Grivory® GVX, Grivory® HT, LFT technologies
High-temperature performance	Grivory® HT, selected GreenLine® Grivory® HT3
Low moisture and fluid handling	Grilamid® L, 1S, 2S, 2D, FWA
Transparency and optical performance	Grilamid® TR and selected GreenLine® transparent technologies
Broad PA6 / PA66 engineering performance	Grilon® A, B and TS
Long fiber structural performance	Grivory®, Grilamid® and Grilon® LFT
Premium visible surfaces	Grinova® S
Specialist alternative to PPS	Grinova® H
Renewable raw-material content	GreenLine®
Packaging and barrier performance	Selected Grivory®, Grilon® and Grilamid® technologies
Food and drinking-water contact	Selected Grivory® FWA, Grilamid® FWA and other appropriately approved grades

Typical property profile by brand

High-level qualitative guidance for early material-family discussions. Actual properties vary by grade, reinforcement and test conditions.

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BRAND	Mechanical	Heat	Moisture uptake	Chemical resistance	Distinguishing profile
Grivory®	High to very high	High	Low to moderate	High	Structural strength, stiffness, heat and dimensional stability
Grilamid®	Moderate to high	Application-dependent	Low	High	Low moisture, toughness, fluid handling and transparency
Grilon®	Broad range	Moderate to high	Moderate	Broad range	Versatile PA6/PA66 engineering performance
Grinova®	High	High	Low to moderate	High	Premium surfaces and specialist performance
GreenLine®	Platform-dependent	Platform-dependent	Platform-dependent	Platform-dependent	Renewable-content options within established platforms

Important

This comparison is qualitative and is not a technical data sheet. Numerical values, regulatory status and processing conditions must be confirmed using the applicable EMS-GRIVORY grade data sheet.

Grivory® | High-performance polyamides

For metal replacement, structural performance, dimensional stability and demanding temperatures.

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Product family	Polymer / positioning	Typical property profile	Typical application fit
Grivory® GV	Partially aromatic PA	High stiffness and strength; low moisture uptake; dimensional stability; good surface quality	Metal replacement, precision components, automotive and industrial parts
Grivory® GVX	High-stiffness partially aromatic PA	Very high stiffness and strength; very low warpage; improved flow	Highly loaded, pressure-loaded and complex molded parts
Grivory® HT	PPA	High-temperature performance; chemical and hydrolysis resistance; dimensional stability	Under-hood, E&E, charging and industrial components
Grivory® LFT	Long fiber reinforced PA	High structural stiffness; impact and creep performance	Highly loaded structures and supports

Processing and selection note

Processing route and final material selection depend on the individual grade and application requirements. Confirm technical values and approvals against the relevant grade documentation.

Grilamid® | Specialty polyamides

For low moisture uptake, fluid handling, transparency, toughness and specialist applications.

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Product family	Polymer / positioning	Typical property profile	Typical application fit
Grilamid® L / 1S / 2S / 2D	PA12 / PA1010 / PA610 / PA612	Low moisture absorption; chemical resistance; toughness; low density	Pipes, tubing, connectors, cable and outdoor applications
Grilamid® TR	Transparent amorphous PA	Optical clarity; stress-crack and chemical resistance; low moisture	Eyewear, healthcare, consumer and transparent industrial parts
Grilamid® FWA	Selected PA12 grades	Very low water absorption; hydrolysis, chemical and UV resistance	Food, drinking-water and sanitary components, subject to approvals

Processing and selection note

Processing route and final material selection depend on the individual grade and application requirements. Confirm technical values and approvals against the relevant grade documentation.

Grilon® | Engineering polyamides

Broad PA6 and PA66-based technologies with extensive reinforcement, modification and processing options.

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Product family	Polymer / positioning	Typical property profile	Typical application fit
Grilamid® L / 1S / 2S / 2D	PA12 / PA1010 / PA610 / PA612	Low moisture absorption; chemical resistance; toughness; low density	Pipes, tubing, connectors, cable and outdoor applications
Grilamid® TR	Transparent amorphous PA	Optical clarity; stress-crack and chemical resistance; low moisture	Eyewear, healthcare, consumer and transparent industrial parts
Grilamid® FWA	Selected PA12 grades	Very low water absorption; hydrolysis, chemical and UV resistance	Food, drinking-water and sanitary components, subject to approvals

Processing and selection note

Processing route and final material selection depend on the individual grade and application requirements. Confirm technical values and approvals against the relevant grade documentation.

Grinova® | Specialist technologies

For demanding visible-surface and specialist high-performance requirements.

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Product family	Polymer / positioning	Typical property profile	Typical application fit
Grinova® S	Specialist high-performance PA	High-gloss surface; scratch resistance; low shrinkage; good flow	Unpainted visible parts, thin-wall designs, appliances and housings
Grinova® H	Specialist high-performance PA	Potential PPS-alternative route; lightweighting; processing benefits by grade	Selected demanding applications traditionally served by PPS

Processing and selection note

Processing route and final material selection depend on the individual grade and application requirements. Confirm technical values and approvals against the relevant grade documentation.

GreenLine® | Renewable-content solutions

Renewable-content options drawn from established Grivory® and Grilamid® platforms.

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Product family	Polymer / positioning	Typical property profile	Typical application fit
Grilamid® 1S	PA1010	Low moisture; dimensional stability; chemical and weather resistance	Fluid handling and engineering components
Grilamid® 2S	PA610	Renewable content; low moisture; elevated melting point	Engineering and fluid-handling applications
Grilamid® TR / BTR	Transparent amorphous PA	Transparency; chemical resistance; renewable-content options	Transparent and optical components
Grivory® HT3	PPA	High temperature; dimensional stability; hydrolysis resistance	High-temperature E&E and engineering applications

Processing and selection note

Processing route and final material selection depend on the individual grade and application requirements. Confirm technical values and approvals against the relevant grade documentation.

Let's develop your next application together

Customers sourcing EMS-GRIVORY materials through Omya Performance Polymer Distribution can benefit from:

- **Local commercial, technical and application support**
- **Material selection and grade optimization**
- **Processing guidance and troubleshooting support**
- **Regional logistics and multi-country coordination, subject to availability**
- **Collaboration with EMS-GRIVORY technical teams**

Talk to our team

Share your application requirements, operating environment, processing method and performance priorities. We will help identify the most relevant EMS-GRIVORY brand, material family and grade options.

- **Local commercial, technical and application support**
- **Material selection and grade optimization**
- **Processing guidance and troubleshooting support**
- **Regional logistics and multi-country coordination, subject to availability**
- **Collaboration with EMS-GRIVORY technical teams**

Let's develop your next application together

EMS-GRIVORY polyamides enable engineers and designers to create **high-performance, lightweight, and durable solutions** across a wide range of industries. Whether you are optimizing an existing material selection or developing a new application, Omya Performance Polymer Distribution works closely with you to identify the right solution – supporting you from initial concept through to full-scale production.

Contact Omya Performance Polymer Distribution

To discuss your application, material requirements, or grade selection, contact your local Omya Performance Polymer Distribution representative or visit: www.omya.com



omya.com



Talk to an expert

Omya International AG, Baslerstrasse 42, CH-4665 Oftringen, Switzerland

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Source: Omya Performance Polymer Distribution (2026/09)