

micro|MB

MicroMB POLYMER PROCESSING AID (PPA)

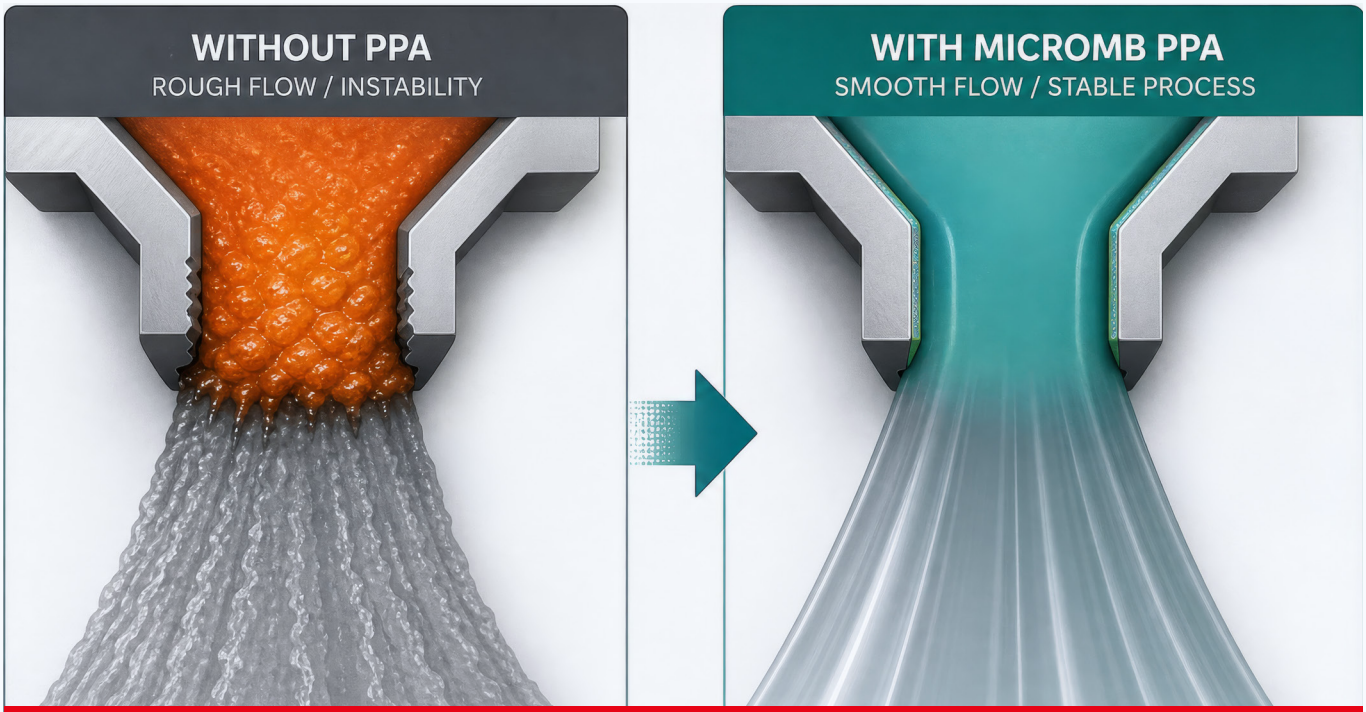
Advanced Processing Solutions for Polyethylene Extrusion

Improving extrusion performance. Enhancing production efficiency.

Designed for demanding industrial processing conditions, it improves extrusion efficiency, stabilizes melt behavior, and delivers consistently high-quality surface finish serving industries such as: Flexible Packaging, Construction & Infrastructure, Agriculture Films, Wire & Cable, and Consumer Products.

MECHANISM OF ACTION

MICROMB PPA forms a temporary lubricating layer at the die interface to optimize melt flow and enhance extrusion performance



Parameter	Without PPA
Surface Quality	Rough / Sharkskin
Die Build-Up	Frequent
Throughput	Limited
Energy Consumption	Higher
Process Stability	Variable

Parameter	With MICROMB PPA
Surface Quality	Smooth / Glossy
Die Build-Up	Minimal
Throughput	Increased
Energy Consumption	Reduced
Process Stability	Consistent

				Applications					Suitable For			
Product Name	Carrier Resin	Additive Type	Additive Loading %	Blown Film	Cast Film	Pipe Extrusion	Injection , Blow Molding	PEAS Free	PE	PP	EVA	Food Contact Compliance
PPA 21	PE	Fluoropolymer 2nd Gen	2	•				N	•		•	Y
PPA P 1200	PE	Fluoropolymer 2nd Gen	2	•			•	N	•		•	Y
PPA P 1040	PE	Fluoropolymer 2nd Gen	4	•			•	N	•		•	Y
PPA P 2021	PE	Fluoropolymer 2nd Gen	2.25	•			•	N	•		•	Y
PPA C 2020	PE	Fluoropolymer Thermal Stable	2	•	•	•	•	N	•	•		Y
PPA C 2031	PE	Fluoropolymer Thermal Stable	3	•	•	•	•	N	•	•		Y
PPA 26D	PE	Fluoroelastomer	2	•	•		•	N	•		•	Y
PPA 21D2	PE	Fluoropolymer 2nd Gen	2	•			•	N	•		•	Y
PPA 30D	PE	Fluoroelastomer	3	•	•		•	N	•		•	Y
PPA FF 1100	PE	FAS-Free & Siloxane-Free	10	•			•	Y	•	•		Y
PPA FF 1022	PE	FAS-Free & Siloxane-Free	2	•				Y	•			Y
PPA- B 1151	PE	FAS-Free & Siloxane-Free	15	•			•	Y	•	•		Y

NB: For any further assistance with your application, please contact our technical team to discuss potential solutions.

KEY FEATURES

- Reduces melt–metal friction
- Eliminates flow instabilities
- Improves polymer melt uniformity
- Stabilizes extrusion behavior under high shear conditions

KEY BENEFITS

- Eliminates melt fracture (sharkskin effect)
- Reduces die build-up and cleaning downtime
- Improves surface smoothness and optical clarity
- Increases throughput and productivity
- Lowers extrusion pressure and energy consumption
- Enhances process stability and consistency

PFAS-FREE PPA – NEXT-GENERATION SOLUTION

Our PFAS Free PPA is engineered to match or exceed the performance of conventional fluorochemical products.

It is Fluorine and Siloxane-free, FDA & EU approved.

Our PFAS PPA comply with tightening global environmental regulations and meet demand for safer sustainable material.

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