

Polyetherimide (PEI) Resin / Pellets COA

Re-Plastic Global

CERTIFICATE OF ANALYSIS (COA)

Polyetherimide (PEI) Resin / Pellets

1. Product Information

Product Name: Polyetherimide (PEI) Resin / Pellets

Batch No.: 2026061206

Date of Issue: 2026-06-12

Production Date: 2026-06-11

Inspection Department: Quality Control Department

2. Test Results

Item	Unit	Specification	Result
Material	-	Polyetherimide (PEI)	Pass
Appearance	-	Uniform pellets, free from impurities	Pass
Color	-	Natural (light amber)	Conforms
Density	g/cm ³	1.27 – 1.29	1.28
Melt Flow Rate (MFR)	g/10min	8 – 15 (300°C / 5kg)	10.8
Tensile Strength	MPa	≥ 110	116
Flexural Strength	MPa	≥ 150	160
Heat Deflection Temperature (HDT)	°C	≥ 200	203
Glass Transition Temperature (Tg)	°C	~215	215
Moisture Content (as supplied)	%	≤ 0.20	0.1
Ash Content	%	≤ 0.10	0.05

| After-drying moisture (for processing reference): $\leq 0.02\%$ – actual 0.014%

3. Conclusion

The above results confirm that this batch of PEI resin meets the specified quality requirements and is suitable for high-performance engineering applications.

4. Manufacturer / Supplier Information

Company: Re-Plastic Global (Qingdao) Materials Recycling Co., Ltd.

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5. Disclaimer

This Certificate of Analysis is based on tests performed on representative samples of the batch. The results are believed to be accurate and reliable but do not constitute a guarantee for all production units.