Product Information - PLANTIC™ EP Resin for coating

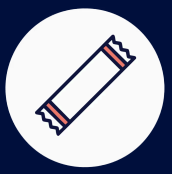
PLANTIC™ EP Resin is a high barrier resin for Industrial convertors and laminators who wish to provide next generation of high barrier coatings and sheets for traditional and non-traditional packaging materials.

High Barrier Resin for Barrier Lamination, Solution Coating or Extrusion coating

Made from high amylose starch, a renewable resource that will lower your packaging greenhouse gas emissions.

High solids with varying viscosities provide suitability on a multitude of coaters, extruders and printers.

Solution coated, extruded, laminated, mixed or treated to maintain high barrier renewable solutions for a multitude of substrates such as Paper, Ridged and Flexible Plastics.



Ultra-low Gas Barrier Transmission providing extended shelf life, compliments paper as a recyclable offering.

APPLICATIONS

PLANTIC™ Resin is suitable for a variety of Industrial applications through coating, extrusion or lamination to create recyclable barrier properties.

QUALITY

Plantic manufacturing location in Australia is accredited to Food Safety System Certification 22000 (FSSC 22000).

FOOD COMPLIANCE APPROVAL.

This product meets the requirements of Federal Food, Drug and Cosmetics Act. This includes FDA Food Types, as defined in 21CFR176.170(c), III, IVA, V, VIIA, VIII and IX for conditions of use E through G.

TECHNICAL DATA

Extrusion Properties

Property	Test Method	Value	Units
MFR	ISO1133	9.5	g/10min @110°C, 2,160g
Density	ISO1183-3	1.35-1.45	g/cm^3 (23°C and 50%RH)
Moisture Permeability	JISZ0208	>300	g/m2/day (40°C and 90%RH)

Oxygen Transmission Rate	ISO14663-2	<2	cc.20µm/m^2/atm/day
Youngs Modulus	ISO 527	2400-2800	MPa (23°C 50%RH)
Tensile strength at break	ISO 527	40-50	MPa (23°C 50%RH)
Tensile elongation at break	ISO 527	<4	% (23°C 50%RH)

End of Life Properties

PLANTIC™ Technologies Limited
51 Burns Road Altona, 3018, Victoria Australia
P: +61 3 9353 7900
F: +61 3 9353 7901
URL: https://plantic.kuraray.com/en/