
POLIMAXX
MAKE GREATER THINGS
MAKE
GREATER THINGS
for SUSTAINABLE FUTURE
Head Office
555/2 Energy Complex,
Building B, 6th Fl.,
Vibhavadi Rangsit Road,
Chatuchak, Chatuchak,
Bangkok 10900 Thailand
Tel. (66) 2765 - 7000
(66) 2765 - 7777
E-mail: polimaxx@irpc.co.th
Rayong Office
299 moo. 5 Sukhumvit Rd.,
Tumbon Churngnern,
Aumphur Mung, Rayong
21000 Thailand
Tel. (038) 611333, 613571 - 80
Fax. (038) 612812 - 3
ECO-PRO
For more
infomation

WHO WE ARE

POLIMAXX is a Petrochemical products' brand of **IRPC** which is currently the first fully integrated petrochemical complex in ASEAN.

We offer various products including PP, HDPE, ABS, SAN/AS, EPS, PS, Polyol, Acetylene Black, chemicals and additives for more than 30 years.

IRPC VISION

"To shape **material** and **energy SOLUTIONS** in harmony with life"

Support **low carbon society** and sustainable roadmap to net zero

Creating living + for all stakeholders though **waste minimization and Eco solution** business and services

Honors and awards from **positively impact** the health and wellbeing of people through our products and business

To achieve **20%** GHG reduction by **2030** for converting waste to economic and environmental values

CIRCULAR ECONOMY

"As a **SOLUTION PROVIDER**, we are ready to **make greater things by developing new products** to meet customers' demand for sustainable future"

Bio Compound

Recycled Compound

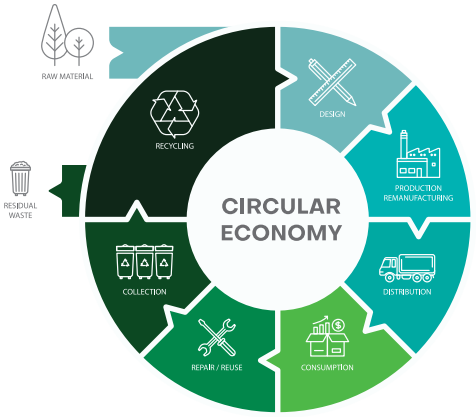
10-30% of bio resources e.g. starch, cellulose, wood powder

Wide range of colors

> 30% recycled content

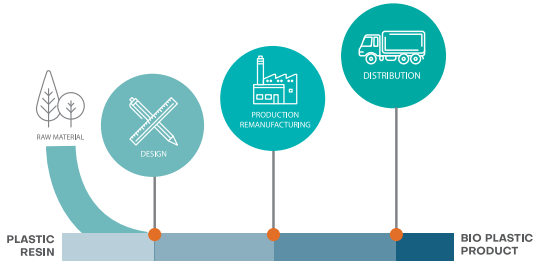
Improving properties by additives

Recycled Compound



EXAMPLES OF PRODUCT

Bio Compound



EXAMPLES OF PRODUCT

EXAMPLE GRADES

W1561RW

30% Wood powder
(Bio Polypropylene)

Designed for injection molding application.
Can apply in general purpose applications.

*The properties can vary significantly depending on the incoming source and supply capability

PHYSICAL PROPERTY	TEST METHOD	UNIT	VALUE*
Melt flow Rate (MFR) (230°C/2.16 kg)	ISO 1133	g/10 min	12
Density (23°C)	ISO 1183	g/cm^3	0.90
MECHANICAL PROPERTY			
Flexural Modulus (1% SECANT, 1.27 mm/min)	ISO 178 MPa	MPa	3535
Izod Notched Impact Strength (3.2 mm, 23°C)	ISO 180	kJ/m^2	2.14

1601MHRP

100% PIR
(Homo Polypropylene)

Designed for injection molding application.
High stiffness and high flow ability for processing.

*The properties can vary significantly depending on the incoming source and supply capability

PHYSICAL PROPERTY	TEST METHOD	UNIT	VALUE*
Melt flow Rate (MFR) (230°C/2.16 kg)	ASTM D1238	g/10 min	11
Density (23°C)	ASTM D792	g/cm^3	0.90
MECHANICAL PROPERTY			
Flexural Modulus (1% SECANT, 1.27 mm/min)	ASTM D790	MPa	1450
Izod Notched Impact Strength (3.2 mm, 23°C)	ASTM D256	J/m	27

PK150B20

20% Starch
(Bio Polystyrene)

Designed for injection molding application. Apply for food packaging, personal care container or household product

*The properties can vary significantly depending on the incoming source and supply capability

PHYSICAL PROPERTY	TEST METHOD	UNIT	VALUE*
Melt flow Rate (MFR) (200°C/5 kg)	ASTM D1238	g/10 min	5
Density (23°C)	ASTM D792	g/cm^3	0.90
MECHANICAL PROPERTY			
Flexural Modulus (1% SECANT, 1.27 mm/min)	ASTM D790	MPa	3300
Izod Notched Impact Strength (3.2 mm, 23°C)	ASTM D256	Kg.cm/cm	2.6