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Topcircle® rPC

PRODUCT

INTRODUCTION-2026

PCR Systematic Innovation Solutions By Topcircle® of Topcentral®



Official WeChat Account



Chinese Official Website



English Official Website

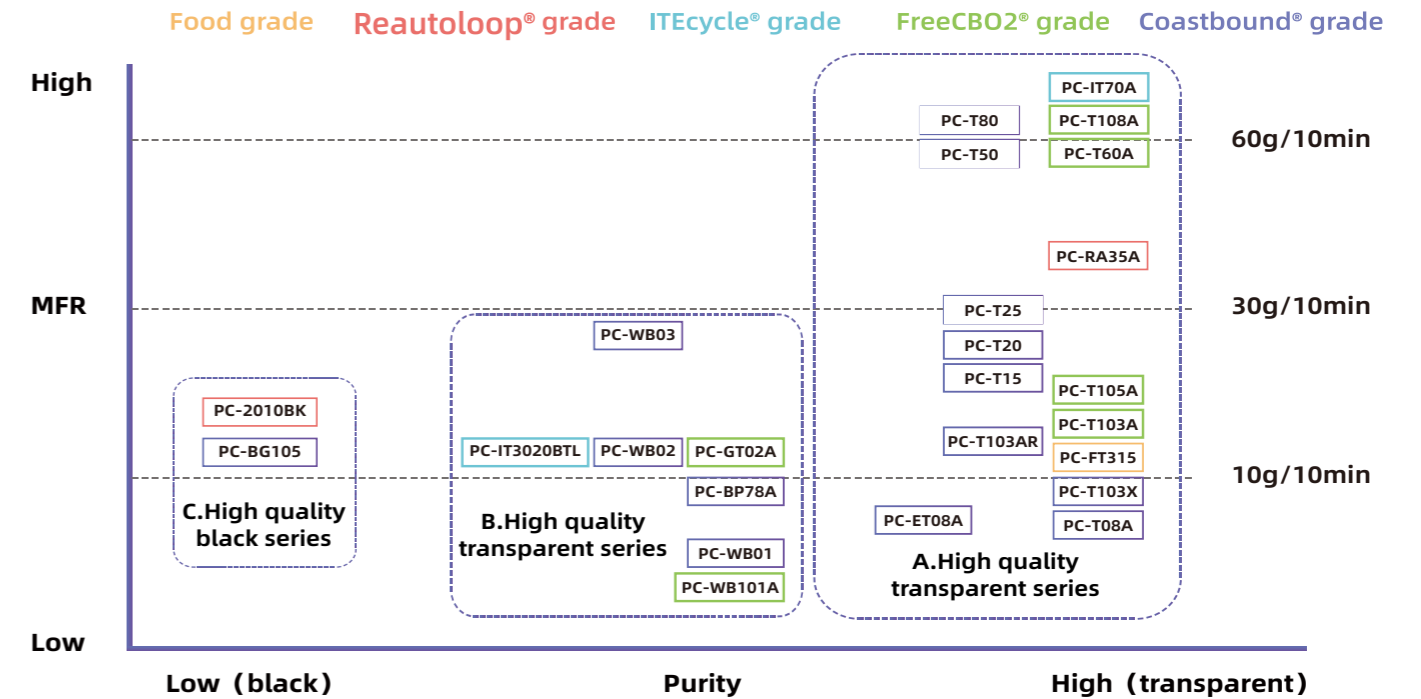


Topcircle® rPC Product Introduction

PCR Polycarbonate is a recycled post-consumer product (sources include but not limited to drinking water buckets, transparent sheets, lamp cover, transparent container, lens, CD/VCD/DVD disks, etc.), which is manufactured by the technological process of pre-treatment, standardized pelletized and modified etc. According to different recycling sources and quality grades. Topcentral could provide customers with extrusion and injection grade rPC particles. Our products cover different molecular, color and properties and customized products can be provided according to the specific requirements of customers, including extrusion, blow molding, injection molding Compounding, etc.

2026
Topcircle® rPC

Topcircle® rPC Topcentral® Topcircle® rPC Product matrix



Topcircle® rPC Product applications (typical cases)

Topcircle® rPC-T103A: 100% PCR, Middle MFR, Transparency

Source	Appearance and typical values	3 rd Certification/Regulation and application
<p>Waste PC sheets</p>	<p>Appearance</p> <p>Product typical performance</p> <p>MFR 12~18 g/10min IZOD 600 j/m T%(3mm) 82%</p>	<p>3rd Certificate/Regulation</p> <ul style="list-style-type: none"> GRS/UL 2809/Carbon Footprint/Carbon Neutral(FreeCBO2®) RoHS/SVHC <p>Typical application</p> <ul style="list-style-type: none"> Compounding Injection

Topcircle® rPC-WB101A: 100% PCR、Low MFR、Blue Transparency

Source

Waste PC Bottle (Mechanical Method)



Appearance and typical values

Appearance



Product typical performance

MFR	4~10 g/10min
MFR shift	≤30 %
IZOD	≥600 J/m

3rd Certification/Regulation and application

3rd Certificate/Regulation

GRS/UL2809/Carbon Footprint/
Carbon Neutral (FreeCO2®);
RoHS/SVHC;

Typical application

Compounding
Extrusion



Topcircle® rPC Product

Typical Grade	MFR g/10min	Notched Impact Strength J/m	Appearance	Certification	Typical Application	Product Features
PC-T15	15-20	≥700	ransparent	GRS/ISCC PLUS	Injection Molding Modification	Black pot, transparency and high impact resistance
PC-T20	20-25	≥600	Transparent	GRS/ISCC PLUS	Injection Molding Modification	Black pot, transparency and flow processing
PC-T25	25-30	≥100	Transparent	GRS/ISCC PLUS	Injection Molding Modification	Black pot, transparency and fluidity
PC-T50	50-60	≥100	Transparent	GRS/ISCC PLUS	Injection Molding Modification	Black pot, transparency and superhigh fluidity
PC-T80	60-80	≥80	Transparent	GRS/ISCC PLUS	Injection Molding Modification	Black pot, transparency and superhigh fluidity
PC-WB01	6-12	≥700	Blue Transparent	GRS/UL 2809/ Zero-carbon/ISCC PLUS	Injection Molding Extrusion, Modification	Color stability and high impact resistance
PC-WB02	12-18	≥500	Dark Transparent	GRS/UL 2809/ Zero-carbon/ISCC PLUS	Injection Molding Modification	Dark Color, Cost Economic
PC-WB03	15-25	≥300	Dark Transparent	GRS/UL 2809/ Zero-carbon/ISCC PLUS	Injection Molding Modification	Dark Color, Cost Economic

Topcircle® rPC Functional Innovation

Typical Grade	MFR g/10min	Notched Impact Strength J/m	Appearance	Certification	Typical Application	Product Features
PC-BG105	17-25	≥110	Black, High Gloss	GRS/ISCC PLUS	Injection Molding	High Gloss Appearance
PC-T103AR	12-18	≥700	Transparent	GRS/ISCC PLUS	Injection Molding	Compliance With Toy Regulations
PC-FT315	12-16	≥700	Transparent	GRS/UL 2809/ISCC PLUS	Injection Molding	FDA

Topcircle® rPC-2010BK: 100% PCR、Middle MFR、Black

Source

Waste PC car lamp



Appearance and typical values

Appearance



Product typical performance

MFR	15~25 g/10min
IZOD	≥100 J/m
Br	≤300 ppm
Gloss	≥100

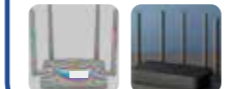
3rd Certification/Regulation and application

3rd Certificate/Regulation

GRS/UL2809
RoHS

Typical application

Compounding
Injection
Electrical appliances,
Automotives, home appliances
and etc.



Topcircle® rPC Customized Series

Typical Grade	MFR g/10min	Notched Impact Strength J/m	Appearance	Certification	Typical Application	Product Features
PC-IT3020BTL	15-21	≥500	Black	UL 2809/ITE/GRS/ ISCC PLUS	Injection Molding Modification	ITEcycle®
PC-2010BK	15-25	≥100	Black	UL2809/GRS/ ISCC PLUS	Injection Molding Modification	Autocycle
PC-ET08A	6-9	≥750	Blue transparent	RoHS/REACH/ ISCC PLUS	Extrusion Modification	High viscosity
PC-BP78A	7-12	≥600	Blue transparent	RoHS/ISCC PLUS/ Coastbound® OBP	Injection Molding Extrusion, Modification	Coastbound® OBP
PC-IT70A	65-75	≥80	Natural transparent	GRS/ISCC PLUS	Modification	ITEcycle®
PC-RA35A	30-40	≥400	Natural transparent	GRS/ISCC PLUS	Modification Injection molding	ReAutoloop®
PC-RA20A	15-25	≥110	Black	GRS/ISCC PLUS	Modification	ReAutoloop®

Topcircle® rPC-IT3020BTL: 100% ITE PCR、Middle MFR、Black transparency

Source

Waste PC Printer dust cover



Appearance and typical values

Appearance



Product typical performance

MFR	15~21 g/10min
IZOD	≥500 J/m
Br	≤100 ppm

3rd Certification/Regulation and application

3rd Certificate/Regulation

GRS/UL ITE
RoHS/SVHC

Typical application

Injection
Compounding
Electrical appliances, Automotives
home appliances and etc.



Topcircle® rPC FreeCO2® Zero Carbon Series

Typical Grade	MFR g/10min	Notched Impact Strength J/m	Appearance	Certification	Typical Application	Product Features
PC-T103A	12-18	≥600	Transparent	UL 2809/GRS/ISCC PLUS	Injection Molding Extrusion, Modification	FreeCO2®
PC-T105A	15-25	≥600	Transparent	UL 2809/GRS/ISCC PLUS	Injection Molding, Modification	FreeCO2®
PC-T108A	65-75	≥100	Transparent	UL 2809/GRS/ISCC PLUS	Injection Molding, Modification	FreeCO2®
PC-T60A	50-60	≥100	Transparent	UL 2809/GRS/ISCC PLUS	Injection Molding, Modification	FreeCO2®
PC-WB101A	4-10	≥600	Blue Transparent	UL 2809/GRS/ISCC PLUS	Injection Molding Extrusion, Modification	FreeCO2®
PC-GT02A	12-20	≥500	Blue Transparent	UL 2809/GRS/ISCC PLUS	Injection Molding, Modification	FreeCO2®