



## ABOUT EVOLVE® SUSTAINABLE SOLUTIONS

EVOLVE® Sustainable Solutions is a technology platform for delivering sustainable reinforcing carbons and other performance materials. Products powered by EVOLVE Sustainable Solutions offer sustainable content with reliable performance at industrial scale by leveraging circular value chains and/or materials recovered from end-of-life tires, and/or renewable and bio-based materials, and/or processes that reduce greenhouse gas (GHG) emissions.

## REPLASBLAK™ rePE5475 100% circular black masterbatch

REPLASBLAK™ rePE5475 black masterbatch, powered by EVOLVE® Sustainable Solutions, is a **100% International Sustainability & Carbon Certification PLUS (ISCC PLUS) mass balance certified material.**

ISCC is a globally leading certification system for feedstocks and markets to ensure sustainable content and traceability in supply chains.

Learn more: [iscc-system.org](https://iscc-system.org)

REPLASBLAK rePE5475 black masterbatch is made **from reclaimed carbon from end-of-life tires pyrolysis and mechanically recycled polyethylene.**

It delivers **over 60% GHG reduction** (calculated following ISCC EU 205) while offering **medium tinting strength** similar to a standard black masterbatch.

REPLASBLAK™ rePE5475 black masterbatch is suitable for **compounding, injection molding, sheet extrusion applications** especially when recycled resins are used.

### TYPICAL PROPERTIES

The data in the table below are typical test values generated in our laboratories intended as guidance only and are not product

PROPERTY	TYPICAL VALUE	TEST METHOD	UNITS
Carrier	Recycled polyethylene		
Pigment	Reclaimed carbon black		
Compatibility	LDPE, LLDPE, HDPE, PP, ethylene copolymer	-	-
Density @23°C	1200	ISO 1183	kg/m <sup>3</sup>
MFI 21.6 kg/190°C	50	ISO 1183	g/10 min

# REPLASBLAK™ rePE5475 100% circular black masterbatch

## BLACK MASTERBATCHES

### METHOD OF ADDITION

**REPLASBLAK™ rePE5475 100% circular black masterbatch** is designed for ease of dilution and homogeneous mixing. It is therefore suitable for direct addition using automatic dosing units or pre-blending.

### ADDITION RATE

The amount of masterbatch added depends on the performance requirements of the final application.

### PRODUCT FORM AND LOGISTIC

- ◆ Product form: pellets
- ◆ Regional availability: global
- ◆ Packaging option: 25 kg bags

For more information, please refer to the applicable Safety Data Sheet (SDS) available from your Cabot representative at [cabotcorp.com/contact](https://cabotcorp.com/contact).

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