

Circo® PP-LGF 60-3520D

Post-consumer recycled (PCR) polypropylene reinforced with long glass fibres for dilution

Product Description

Circo® PP-LGF 60 is a concentrate made from recycled polypropylene reinforced with long glass fibre for dilution. The concentrate is supplied in pellet form. The grade is available in grey colour.

Sustainability

Concentrate contains post-consumer recycled (PCR) material which is separately collected plastic packaging from households in accordance with EN ISO 14021:2016. The quality and traceability of recycled content is certified by RecyClass.

The material is recyclable. For further information, please contact NG Nordic representative.

Typical Properties

	Nominal Value	Units	Test Method
Mechanical			
Tensile Modulus	13000	MPa	ISO 527
Tensile Strength at Yield	93	MPa	ISO 527
Tensile Elongation at Break	1	%	ISO 527
Charpy Impact Strength (Unnotched) +23°C	36	kJ/m2	ISO 179
Physical			
Density	1480	kg/m3	ISO 1183
Post-consumer recycled (PCR) content	>35	%	Weight
Filler content	60	%	Weight
Filler type	Long glass fibre		
Colour	Grey		
Mold shrinkage	0,0/1,4	%	Internal

These are typical property values not to be construed as specification limits.

Processing: Dilution

Circo® PP-LGF60 is a 60% long glass fibre reinforced concentrate with post-consumer recycled plastics from waste packaging. It is specifically developed for dilution with Circo PP with low carbon footprint.

Features

- Long glass fibre reinforced concentrate
- Post-consumer recycled PP

Applications

- Automotive
- Consumer goods
- Furniture & décor
- Electrical & electronic products

Further Information

Certificates

Quality Management System	ISO 9001:2015 No. 1111-16
Environmental Management System	ISO 14001:2015 No. 1110-17
Occupational Health and Safety System	ISO 45001:2018 No. 5051-11
RecyClass Recycling Process	EN 15343



Health and Safety

Material is based on post-consumer recycled plastic. Please verify that use of PCR based materials is permitted in your products.

For further information about safety in handling and processing please refer to the Safety Data Sheet.

Storage

The granulate is packed in big bags or bulk containers.

Material should be stored in dry conditions at normal temperatures and protected from UV-light. If it is stored under certain conditions, i.e. if there are large fluctuations in ambient temperature and the atmospheric humidity is high, moisture may condense inside the packaging. Under these circumstances, it is recommended to dry the resin before use.

Disclaimer

It is the customer's responsibility to inspect and test our products in order to satisfy itself as to the suitability of the products for the customer's particular purpose. The customer is responsible for the appropriate, safe and legal use, processing and handling of our products.

The suitability of the material for planned use should be always verified by the customer. NG Nordic is reporting these values and guidelines based on its own knowledge; updates may occur without notice. Please verify data accuracy with NG Nordic.

Company Information

For further information, please visit: www.circoplastics.com