

# CirculenRecover 12RPL100

## LyondellBasell Industries - Polypropylene

### General Information

#### Product Description

CirculenRecover 12RPL100 Grey is a circular polypropylene copolymer supplied in pellet form for injection Molding applications. The grade combines stiffness, impact and flow. The grade is available in grey color sorted from municipal plastic waste.

#### General

Recycled Content	• Post-Consumer (PCR)
Uses	• General Purpose • Rigid Packaging
Processing Method	• Injection Molding

### Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.917		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	12	g/10 min	ASTM D1238
Ash Content	< 2.0	wt%	ASTM D5630
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	4300	psi	ASTM D638
Tensile Strength (Break)	2600	psi	ASTM D638
Tensile Elongation (Yield)	10	%	ASTM D638
Tensile Elongation (Break)	270	%	ASTM D638
Flexural Modulus	190000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F)	0.90	ft-lb/in	ASTM D256