

## Technical Data Sheet

### *Circulen*Recover PP300P Grey



Polypropylene, Impact Copolymer

#### Product Description

*Circulen*Recover PP300P Grey is a circular polypropylene copolymer supplied in pellet form for injection moulding applications. The grade combines stiffness, impact and flow. The grade is available in grey color sorted from municipal plastic waste.

#### Sustainability

According with the requirements of Standard ISO 14021:2016, *Circulen*Recover PP300P Grey contains at least 99 % of recycled material that is fully based on Post-Consumer Waste (PCW) from pre-sorted municipal plastic waste. Filtration level is 150 µm. Volatiles according to ASTM D6980 @ 120 °C are < 0.2%.

*This product is not intended for highly regulated applications including food contact, potable water contact, medical and pharmaceutical applications.*

<b>Application</b>	Containers; Crates; Furniture; Pails
<b>Market</b>	Consumer Products; Rigid Packaging
<b>Processing Method</b>	Injection Molding
<b>Attribute</b>	General Purpose; Good Processability; Impact Copolymer

Typical Properties	Nominal Value	Units	Test Method
<b>Physical</b>			
Melt Flow Rate, (230 °C/2.16 kg)	16	g/10 min	ISO 1133-1
Density	0.915	g/cm <sup>3</sup>	ISO 1183-1
Bulk Density	0.580	g/cm <sup>3</sup>	ISO 60
<b>Mechanical</b>			
Tensile Modulus, (23 °C)	1300	MPa	ISO 527-1, -2
Tensile Strength, (23 °C)	27	MPa	ISO 527-1, -2
Tensile Strain at Break, (23 °C)	40	%	ISO 527-1, -2
<b>Impact</b>			
Charpy Impact Strength - Notched, (23 °C, Type 1, Edgewise, Notch A)	5.0	kJ/m <sup>2</sup>	ISO 179-1/1eA
<b>Additional Information</b>			
Ash 600 °C	< 2	wt %	ISO 3451-1