

## Technical Data Sheet

### CirculenRecover PP300U Grey



Polypropylene, Impact Copolymer

#### Product Description

CirculenRecover PP300U Grey is a circular polypropylene copolymer supplied in pellet form for injection moulding applications. The grade combines very high flow, stiffness and impact. The grade is available in grey color sorted from municipal plastic waste.

#### Sustainability

According with the requirements of Standard ISO 14021:2016, CirculenRecover PP300U Grey contains at least 98 % 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; TWIM Non-food Containers    |
| <b>Market</b>            | Consumer Products; Rigid Packaging                                |
| <b>Processing Method</b> | Injection Molding   |
| <b>Attribute</b>         | General Purpose; Good Processability; High Flow; Impact Copolymer |

| Typical Properties   | Nominal Value | Units             | Test Method   |
|--|---------------|-------------------|---------------|
| <b>Physical</b>  |               |                   |               |
| Melt Flow Rate, (230 °C/2.16 kg)                                     | 70            | g/10 min          | ISO 1133-1    |
| Density  | 0.915         | g/cm <sup>3</sup> | ISO 1183-1    |
| Bulk Density   | 0.620         | g/cm <sup>3</sup> | ISO 60        |
| <b>Mechanical</b>  |               |                   |               |
| Tensile Modulus, (23 °C)   | 1200          | MPa               | ISO 527-1, -2 |
| Tensile Strength, (23 °C)  | 26            | MPa               | ISO 527-1, -2 |
| Tensile Strain at Break, (23 °C)                                     | 10            | %                 | ISO 527-1, -2 |
| <b>Impact</b>  |               |                   |               |
| Charpy Impact Strength - Notched, (23 °C, Type 1, Edgewise, Notch A) | 4.0           | kJ/m <sup>2</sup> | ISO 179-1/1eA |
| <b>Additional Information</b>  |               |                   |               |
| Ash<br>600 °C  | < 2           | wt %              | ISO 3451-1    |