

## Technical Data Sheet

### *Circulen*Recover PP249S Ivory



Polypropylene, Impact Copolymer

#### Product Description

*Circulen*Recover PP249S Ivory is a development circular polypropylene copolymer supplied in pellet form for injection moulding applications. The grade combines stiffness, high impact and flow. The grade is available in ivory color sorted from municipal plastic waste.

#### Sustainability

According with the requirements of Standard ISO 14021:2016, *Circulen*Recover PP249S Ivory contains at least 70% 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; High Impact Resistance; Impact Copolymer

Typical Properties	Nominal Value	Units	Test Method
<b>Physical</b>			
Melt Flow Rate, (230 °C/2.16 kg)	28	g/10 min	ISO 1133-1
Density	0.922	g/cm <sup>3</sup>	ISO 1183-1
Bulk Density	0.520	g/cm <sup>3</sup>	ISO 60
<b>Mechanical</b>			
Tensile Modulus, (23 °C)	850	MPa	ISO 527-1, -2
Tensile Strength, (23 °C)	15	MPa	ISO 527-1, -2
Tensile Strain at Break, (23 °C)	> 50	%	ISO 527-1, -2
<b>Impact</b>			
Charpy Impact Strength - Notched			
(23 °C, Type 1, Edgewise, Notch A)	> 40	kJ/m <sup>2</sup>	ISO 179-1/1eA
(-20 °C, Type 1, Edgewise, Notch A)	>6	kJ/m <sup>2</sup>	ISO 179-1/1eA
<b>Additional Information</b>			
Ash 600 °C	4	wt %	ISO 3451-1