

Technical Data Sheet

*Circulen*Recover PP300S Grey



Polypropylene, Impact Copolymer

Product Description

*Circulen*Recover PP300S 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 PP300S 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 < 0.1%.

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

Application	Containers; Crates; Furniture; Pails
Market	Consumer Products; Rigid Packaging
Processing Method	Injection Molding
Attribute	General Purpose; Good Processability; Impact Copolymer; Medium Flow; Medium Impact Resistance

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	35	g/10 min	ISO 1133-1
Density	0.915	g/cm ³	ISO 1183-1
Bulk Density	0.560	g/cm ³	ISO 60
Mechanical			
Tensile Modulus, (23 °C)	1250	MPa	ISO 527-1, -2
Tensile Strength, (23 °C)	26	MPa	ISO 527-1, -2
Tensile Strain at Break, (23 °C)	25	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched, (23 °C, Type 1, Edgewise, Notch A)	4.5	kJ/m ²	ISO 179-1/1eA
Additional Information			
Ash	<2	wt %	ISO 3451-1
600 °C			