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Technical Data Sheet

Moplen QCP300T

Polypropylene, Impact Copolymer



Product Description

Moplen QCP300T 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.

Sustainability

Moplen QCP300T contains at least 95% of post-consumer material from pre-sorted municipal plastic packaging waste. Filtration level is 150 μ m. 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.

Status Commercial: Active

Availability Europe

600 °C

Application Containers; Crates; Furniture; Pails

Market Consumer Products; Rigid Packaging

Processing Method Injection Molding

Attribute General Purpose; Good Processability; High Flow; Impact Copolymer; Medium Impact

Resistance

Nominal			
Typical Properties	Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	50	g/10 min	ISO 1133-1
Density	0.915	g/cm³	ISO 1183-1
Bulk Density	0.560	g/cm³	ISO 60
Mechanical			
Flexural Modulus, (23 °C)	1100	MPa	ISO 178
Injection molded specimens prepared in accordance with ISO 1872-2.			
Tensile Modulus, (23 °C)	1150	MPa	ISO 527-1, -2
Injection molded specimens prepared in accordance with ISO 1872-2.			
Tensile Strength, (23 °C)	26	MPa	ISO 527-1, -2
Injection molded specimens prepared in accordance with ISO 1872-2.			
Tensile Strain at Break, (23 °C)	20	%	ISO 527-1, -2
Injection molded specimens prepared in accordance with ISO 1872-2.			
Impact			
Charpy Impact Strength - Notched, (23 °C, Type 1, Edgewise, Notch A)	6.0	kJ/m²	ISO 179-1/1eA
Injection molded specimens prepared in accordance with ISO 1872-2.			
Additional Information			
Ash	<2	wt %	ISO 3451-1