

Technical Data Sheet

Moplen QCP300R



Polypropylene, Impact Copolymer

Product Description

Moplen QCP300R 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 QCP300R contains at least 95% of post-consumer material from pre-sorted municipal plastic packaging 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.

Status	Commercial: Active
Availability	Europe
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)	21	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			
Flexural Modulus, (23 °C) Injection molded specimens prepared in accordance with ISO 1872-2.	1150	MPa	ISO 178
Tensile Modulus, (23 °C) Injection molded specimens prepared in accordance with ISO 1872-2.	1250	MPa	ISO 527-1, -2
Tensile Strength, (23 °C) Injection molded specimens prepared in accordance with ISO 1872-2.	26	MPa	ISO 527-1, -2
Tensile Strain at Break, (23 °C) Injection molded specimens prepared in accordance with ISO 1872-2.	30	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched, (23 °C, Type 1, Edgewise, Notch A) Injection molded specimens prepared in accordance with ISO 1872-2.	6.5	kJ/m ²	ISO 179-1/1eA
Additional Information			
Ash 600 °C	<2	wt %	ISO 3451-1