

## 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
<b>Physical</b>			
Melt Flow Rate, (230 °C/2.16 kg)	21	g/10 min	ISO 1133-1
Density	0.915	g/cm <sup>3</sup>	ISO 1183-1
Bulk Density	0.560	g/cm <sup>3</sup>	ISO 60
<b>Mechanical</b>			
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
<b>Impact</b>			
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 <sup>2</sup>	ISO 179-1/1eA
<b>Additional Information</b>			
Ash 600 °C	<2	wt %	ISO 3451-1