

## Technical Data Sheet

**Moplen QCP300U Black**

Polypropylene, Impact Copolymer

**Product Description**

Moplen QCP300U Black is a circular polypropylene copolymer supplied in pellet form for injection moulding applications. The grade combines very high flow, stiffness and impact. The grade is available in black color.

**Sustainability**

Moplen QCP300U Black 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.

<b>Status</b>	Commercial: Active
<b>Availability</b>	Europe
<b>Application</b>	Containers; Crates; Furniture; Pails; TWIM Non-food Containers
<b>Market</b>	Consumer Products; Rigid Packaging
<b>Processing Method</b>	Injection Molding
<b>Attribute</b>	General Purpose; Good Processability; High Flow; Impact Copolymer

Typical Properties	Nominal Value	Units	Test Method
<b>Physical</b>			
Melt Flow Rate, (230 °C/2.16 kg)	70	g/10 min	ISO 1133-1
Density	0.915	g/cm <sup>3</sup>	ISO 1183-1
Bulk Density	0.620	g/cm <sup>3</sup>	ISO 60
<b>Mechanical</b>			
Flexural Modulus, (23 °C) Injection molded specimens prepared in accordance with ISO 1872-2.	1050	MPa	ISO 178
Tensile Modulus, (23 °C) Injection molded specimens prepared in accordance with ISO 1872-2.	1150	MPa	ISO 527-1, -2
Tensile Strength, (23 °C) Injection molded specimens prepared in accordance with ISO 1872-2.	25	MPa	ISO 527-1, -2
Tensile Strain at Break, (23 °C) Injection molded specimens prepared in accordance with ISO 1872-2.	10	%	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.	4.5	kJ/m <sup>2</sup>	ISO 179-1/1eA
<b>Additional Information</b>			
Ash 600 °C	< 2	wt %	ISO 3451-1