Technical Data Sheet

Moplen QCP840S

Polypropylene, Impact Copolymer

Product Description

Moplen QCP840S is a 20% talc-filled circular polypropylene copolymer supplied in pellet form for injection moulding applications. The grade combines high stiffness, impact and high flow. The grade is available in grey color.

Sustainability

Moplen QCP840S contains at least 75% 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; High Flow; High Rigidity; High Stiffness; Impact Copolymer

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	40	g/10 min	ISO 1133-1
Density	1.050	g/cm³	ISO 1183-1
Bulk Density	0.680	g/cm³	ISO 60
Mechanical			
Flexural Modulus, (23 °C) Injection molded specimens prepared in accordance with ISO 1872-2.	2180	MPa	ISO 178
Tensile Modulus, (23 °C) Injection molded specimens prepared in accordance with ISO 1872-2.	2075	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
Impact			
Charpy Impact Strength - Notched, (23 °C, Type 1, Edgewise, Notch A) Injection molded specimens prepared in accordance with ISO 1872-2.	3.0	kJ/m²	ISO 179-1/1eA
Additional Information			
Ash 600 °C	21	wt %	ISO 3451-1