Technical Data Sheet

QCP PP 1530

Polypropylene, Impact Copolymer

Product Description

QCP PP 1530 is a circular polypropylene copolymer supplied in pellet form for injection moulding applications. The grade combines stiffness, high impact and flow. The grade is available in grey color.

Sustainability (acc. ISO 14021:2016)

QCP PP 1530 contains at least 85% of recycled material based on Post-Consumer Waste (PCW) from pre-sorted municipal plastic 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.

Application	Containers; Crates; Furniture; Pails
Market	Consumer Products; Rigid Packaging
Processing Method	Injection Molding
Attribute	General Purpose; Good Processability; High Impact Resistance; Impact Copolymer

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	15	g/10 min	ISO 1133-1
Density	0.918	g/cm³	ISO 1183-1
Bulk Density	0.560	g/cm³	ISO 60
Mechanical			
Flexural Modulus, (23 °C)	800	MPa	ISO 178
Injection molded specimens prepared in accordance with ISO 1872-2.			
Tensile Modulus, (23 °C)	800	MPa	ISO 527-1, -2
Injection molded specimens prepared in accordance with ISO 1872-2.			
Tensile Strength, (23 °C)	19	MPa	ISO 527-1, -2
Injection molded specimens prepared in accordance with ISO 1872-2.			
Tensile Strain at Break, (23 °C)	30	%	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)	30	kJ/m²	ISO 179-1/1eA
Injection molded specimens prepared in accordance with ISO 1872-2.			
(-20 °C, Type 1, Edgewise, Notch A)	>7	kJ/m²	ISO 179-1/1eA
Charpy Impact Strength - Unnotched, (-20 °C, Type 1, Edgewise)	No Break	kJ/m²	ISO 179-1/1eU
Additional Information			
Ash	< 2	wt %	ISO 3451-1
600 °C			