Technical Data Sheet

QCP EXPP 161A 1111

Polypropylene, Impact Copolymer

Product Description

QCP EXPP 161A 1111 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 black color.

Sustainability

QCP EXPP 161A 1111 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 < 0.1%.

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)	35	g/10 min	ISO 1133-1
Density	0.919	g/cm³	ISO 1183-1
Bulk Density	0.560	g/cm³	ISO 60
Mechanical			
Flexural Modulus, (23 °C)	1100	MPa	ISO 178
Injection molded specimens prepared in accordance with ISO 1872-2.			
Tensile Modulus, (23 °C)	1150	MPa	ISO 527-1, -2
Injection molded specimens prepared in accordance with ISO 1872-2.			
Tensile Strength, (23 °C)	26	MPa	ISO 527-1, -2
Injection molded specimens prepared in accordance with ISO 1872-2.			
Tensile Strain at Break, (23 °C)	25	%	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)	6.0	kJ/m²	ISO 179-1/1eA
Injection molded specimens prepared in accordance with ISO 1872-2.			
Additional Information			
Ash	<1.5	wt %	ISO 3451-1
600 °C			

Notes

These are typical property values not to be construed as specification limits.