

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.

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

Typical Properties	Nominal Value	Units	Test Method
<b>Physical</b>			
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
<b>Mechanical</b>			
Flexural Modulus, (23 °C) Injection molded specimens prepared in accordance with ISO 1872-2.	800	MPa	ISO 178
Tensile Modulus, (23 °C) Injection molded specimens prepared in accordance with ISO 1872-2.	800	MPa	ISO 527-1, -2
Tensile Strength, (23 °C) Injection molded specimens prepared in accordance with ISO 1872-2.	19	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.	30	kJ/m²	ISO 179-1/1eA
(-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
<b>Additional Information</b>			
Ash 600 °C	< 2	wt %	ISO 3451-1

## Notes

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

## Processing Techniques

Users should determine the conditions necessary to obtain optimum product properties and suitability of the product for the intended application.

In cases where higher temperatures are required, please contact your appropriate technical contact for support.

## Further Information

### Health and Safety:

The resin is manufactured to the highest standards, but special requirements apply to certain applications such as food end-use contact and direct medical use. For specific information on regulatory compliance contact your local representative.

Workers should be protected from the possibility of skin or eye contact with molten polymer. Safety glasses are suggested as a minimal precaution to prevent mechanical or thermal injury to the eyes.

Molten polymer may be degraded if it is exposed to air during any of the processing and off-line operations. The products of degradation may have an unpleasant odor. In higher concentrations they may cause irritation of the mucus membranes. Fabrication areas should be ventilated to carry away fumes or vapours. Legislation on the control of emissions and pollution prevention should be observed.

The resin will burn when supplied with excess heat and oxygen. It should be handled and stored away from contact with direct flames and/or ignition sources. While burning, the resin contributes high heat and may generate a dense black smoke.

Recycled resins may have previously been used as packaging for, or may have otherwise been in contact with, hazardous goods. Converters are responsible for taking all necessary precautions to ensure that recycled resins are safe for continued use.

For further information about safety in handling and processing please refer to the Safety Data Sheet.

### Conveying:

Conveying equipment should be designed to prevent production and accumulation of fines and dust particles that are contained in polymer resins. These particles can under certain conditions pose an explosion hazard. Conveying systems should be grounded, equipped with adequate filters and regularly inspected for leaks.

## Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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