

# Clyrell RC5003

Polypropylene Random Copolymer

LyondellBasell Industries

## Message:

Clyrell RC5003 is a developmental random copolymer Polypropylene manufactured using the Spheripol process. With its high gloss, excellent transparency and good flow, combined with its balance of rigidity and impact, this grade is suitable for injection molding. Potential end use applications include moulding of housewares and containers. It can also be evaluated for Injection Stretch Blow Moulding of bottles.

General Information	
Features	Good Flow
	Good Strength
	High Clarity
	High Gloss
	Random Copolymer
Uses	Bottles
	Containers
	Household Goods
Processing Method	Injection Blow Molding
	Injection Molding
	Stretch Blow Molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.900	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	13	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	90		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	29.4	MPa	ASTM D638
Tensile Elongation (Yield)	11	%	ASTM D638
Flexural Modulus	1130	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-20°C	20	J/m	
23°C	49	J/m	

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