

# Clyrell RC5004

Polypropylene Random Copolymer

HMC Polymers

Message:

Developmental Grade - Low melt flow polypropylene random copolymer resin with superior clarity

Features:

- Good extrusion processability
- Very high clarity for thick parts
- Good impact properties
- Good chemical resistance
- Suitable for food contact

Applications:

- Transparent bottles
- Detergent and cosmetic bottles
- Stationary sheet
- Food packaging

General Information			
Features	Food Contact Acceptable		
	Good Chemical Resistance		
	Good Impact Resistance		
	Good Processability		
	High Clarity		
	Low Temperature Impact Resistance		
	Random Copolymer		
Uses	Bottles		
	Cosmetics		
	Food Packaging		
	Stationary Supplies		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.900	g/cm <sup>3</sup>	ASTM D792B
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	1.6	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	26.0	MPa	ASTM D638
Tensile Elongation (Yield)	14	%	ASTM D638
Flexural Modulus	950	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	No Break		ASTM D256A
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load (0.45 MPa, Unannealed)	77.0	°C	ASTM D648
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### Recommended distributors for this material

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