

Clyrell RC5056

Polypropylene Random Copolymer

PolyMirae

Message:

Clyrell RC5056 is a Random copolymer with Super High Clarity, high gloss, excellent transparency, combined with its balance of rigidity and impact, this grade is selected by customers for use in injection molding applications. Clyrell RC5056 complies with FDA cooking condition.

General Information			
Features	Food Contact Acceptable		
	Good Impact Resistance		
	Good Stiffness		
	High Clarity		
	Random Copolymer		
	Semi Rigid		
Uses	Bottles		
	Containers		
	Food Containers		
	Household Goods		
Agency Ratings	FDA Food Contact, Unspecified Rating		
RoHS Compliance	Contact Manufacturer		
Appearance	Clear/Transparent		
Processing Method	Injection Molding		
	Injection Stretch Blow Molding		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	10	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	102		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	34.3	MPa	ASTM D638
Tensile Elongation (Yield)	10	%	ASTM D638
Flexural Modulus	1370	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	49	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	100	°C	ASTM D648
Vicat Softening Temperature	134	°C	ASTM D1525

Optical	Nominal Value	Unit	Test Method
Haze (2000 μm)	9.0	%	ASTM D1003

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