

Clyrell RC5056

Polypropylene Random Copolymer

PolyMirae

Message:

Devlopmental Grade Clyrell RC5056 is a polypropylene random copolymer. With its high gloss and excellent clarity, combined with its balance of rigidity and impact, this grade is particularly suitable for injection molding of high clarity containers. Potential end use applications include housewares and food containers. This is a preliminary Product Data Sheet.

General Information			
Features	Rigid, good		
	Highlight		
	Impact resistance, good		
	Definition, high		
	Random copolymer		
Uses	Household goods		
	Container		
	Food container		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.900	g/cm³	ASTM D792
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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