Technical Data Sheet

Clyrell RC5056

Polypropylene, Random Copolymer

Product Description

Clyrell RC5056 is a polypropylene random copolymer, with high gloss, excellent clarity, balance of rigidity and impact. Typical customer applications are injection molding of high clarity containers, housewares.

Regulatory Status

For regulatory compliance information, see *Clyrell* RC5056 Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

Status	Commercial: Active
Availability	Africa-Middle East; Asia-Pacific; Australia and New Zealand
Application	Clear Containers; Housewares
Market	Consumer Products; Rigid Packaging
Processing Method	Injection Blow Molding; Injection Molding; Injection Stretch Blow Molding
Attribute	High Clarity; High Gloss; Random Copolymer

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	10	g/10 min	ASTM D1238
Density	0.90	g/cm³	ASTM D792
Mechanical			
Flexural Modulus	1400	MPa	ASTM D790
Tensile Strength at Yield	35	MPa	ASTM D638
Tensile Elongation at Yield	10	%	ASTM D638
Impact			
Notched Izod Impact Strength, (23 °C)	50	J/m	ASTM D256
Hardness			
Rockwell Hardness, (R-Scale)	102		ASTM D785
Thermal			
Vicat Softening Point	134	°C	ASTM D1525
Deflection Temperature Under Load, (0.46 N/mm²)	100	°C	ASTM D648

Manufacturer website: https://www.polymirae.com/

Notes

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

Company Information

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

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