

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.

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/cm ³	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/mm ²)	100	°C	ASTM D648