



Clyrell RC5056

Polypropylene, Random Copolymer

Product Description

Developmental 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.

Product Characteristics

Status	Commercial: Active
Test Method used	ASTM
Availability	Asia-Pacific, Australia/NZ, Africa-Middle East
Processing Methods	Injection Molding
Features	High Clarity, Random Copolymer, High Gloss
Typical Customer Applications	Clear Containers, Housewares

Typical Properties	Method	Value	Unit
Physical			
Density -Specific Gravity	ASTM D 792	0.9	g/cm ³
Melt Flow Rate (230°C/2.16kg)	ASTM D 1238	10	g/10 min
<i>Note: ASTM D1238L</i>			
Mechanical			
Flexural Modulus	ASTM D 790	14000	kg/cm ²
Tensile Strength @ Yield	ASTM D 638	350	kg/cm ²
Tensile Elongation @ Yield	ASTM D 638	10	%
Impact			
Notched Izod Impact (23 °C)	ASTM D 256	5	kg-cm/cm
Hardness			
Rockwell Hardness (R Scale)	ASTM D 785	102	
Thermal			
Vicat softening point	ASTM D 1525	134	°C
Heat deflection temperature at 0.46 N/mm ²	ASTM D 648	100	°C
Optical			
Haze	ASTM D 1003	9	%
<i>Note: 2mm sample thickness</i>			

Notes

Typical properties; not to be construed as specifications.