

# Pinnacle PP 6155C3

Polypropylene Random Copolymer

Pinnacle Polymers

Message:

55 MELT FLOW CLARIFIED RANDOM COPOLYMER FOR INJECTION MOLDING

Pinnacle Polymers Polypropylene 6155C3 is made via UNIPOL™ PP technology, which utilizes gas-phase fluidized bed reactors with a high activity catalyst system to ensure uniform physical properties and lot-to-lot consistency.

This product is intended for injection molding applications that require high melt flow, more stiffness, faster cycle time, low bloom, enhanced processability and excellent clarity. This product contains a new generation clarifier.

The 6155C3 product provides:

- New generation clarifier
- Increased stiffness
- Low bloom
- Reduced cycle-time
- Good organoleptics
- Improved color
- Increased stiffness
- High melt flow, excellent processability

General Information			
Additive	Clarifier		
Features	Fast Molding Cycle		
	Good Organoleptic Properties		
	Good Processability		
	High Clarity		
	High Flow		
	Low Blooming		
	Random Copolymer		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	55	g/10 min	ASTM D1238
Molding Shrinkage - Flow	1.5	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Yield, 3.20 mm, Injection Molded)	29.0	MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Yield, 3.20 mm, Injection Molded)	14	%	ASTM D638
Flexural Modulus - 1% Secant <sup>3</sup> (3.20 mm, Injection Molded)	1140	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact <sup>4</sup> (23°C, 3.20 mm, Injection Molded)	53	J/m	ASTM D256

Notched Izod Impact (Area) <sup>5</sup> (23°C, 3.20 mm, Injection Molded)	5.20	kJ/m <sup>2</sup>	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	78.0	°C	ASTM D648
Optical	Nominal Value	Unit	
Haze (1270 μm)	9.0	%	
Yellowness Index	< -10	YI	
NOTE			
1.	Type I, 51 mm/min		
2.	Type I, 51 mm/min		
3.	Type I, 1.3 mm/min		
4.	Type I		
5.	Type I		

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#### Recommended distributors for this material

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