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5155IN

55 MELT FLOW CLARIFIED AND NUCLEATED RANDOM COPOLYMER FOR INJECTION MOLDING

Product Description and Applications:

Pinnacle Polymers Polypropylene 5155IN 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 applications that require very fast cycle time, enhanced processability, and excellent clarity; such as injection molding of DVD cases. Contains a slip agent to facilitate robotic stacking of parts.

Features:

The 5155IN product provides:

- Excellent see-through clarity
- Superior color and processing stability
- Superior cycle time
- Higher melt flow, excellent processability

Typical Properties

Property	Traditional Units	SI Units	ASTM Test
Melt Flow Rate	55 g/10 min.	55 g/10 min.	D1238 ¹
Density at 23°C	0.9 g/cm ³	900 kg/m ³	D1505
Tensile yield strength, at 51 mm/min	4100 psi	28.3 MPa	D638 ²
Yield elongation, at 51 mm/min	11%	11%	D638 ²
Flexural modulus (1% secant) at 1.27 mm/min	165,000 psi	1139 MPa	D790A ²
Notched Izod impact strength, at 73°F/23°C	0.7 ft-lb/in	37 J/m	D256 ²
Haze (1.27 mm plaque)	12%	12%	

¹Condition L 230/2.16

²ASTM Type I specimen, 3.2 mm thick (injection molded per ASTM D4101-92a)

³Method G, Geometry GC

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