Pinnacle Polymers

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21115H developmental

115 MELT FLOW IMPACT COPOLYMER POLYPROPYLENE FOR INJECTION MOLDING

Product Description and Applications:

Pinnacle Polymers Polypropylene 21115H 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 controlled rheology copolymer is intended for use in thin wall injection molded packaging, housewares and consumer products applications. Ulta High Melt Flow dramatically improves cycle-times without forfeiting properties. Contains nucleator and antistat.

Features:

The 21115 H product provides:

- Excellent cycle-time
- Very high melt flow
- Excellent mold release
- Superior processability
- Excellent lot-to-lot consistency

Typical Properties **

Property	Traditional Units	SI Units	ASTM Test
Melt Flow Rate	115g/10 min.	100 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	3200 psi	22 MPa	D638[2]
Yield elongation, at 51 mm/min	10%	10%	D638[2]
Flexural modulus (1% secant) at 1.27 mm/min	178,000 psi	1228 MPa	D790A[2]
Notched Izod impact strength, at 73°F/23°C	1.4 ft-lb/in	75 J/m	D256[2]
Gardner Impact at -22°F/-30°C	140 in-lb	16 J	D5420[3]

[1]Condition L 230/2.16
[2]ASTM Type I specimen, 3.2 mm thick (injection molded per ASTM D4101-92a)
[3]Method G, Geometry GC
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** Data based on small sample set