8150H

55 MELT FLOW HIGH STIFNESS COPOLYMER POLYPROPYLENE FOR INJECTION MOLDING

Product Description and Applications:

Pinnacle Polymers Polypropylene 8150H 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. Contains nucleator and antistat.

Features:

The 8150H product provides:

- High stiffness
- Excellent impact at 23°C and -30°C
- High melt flow
- Excellent mold release
- Superior processability
- Excellent lot-to-lot consistency

Pinnacle's 8150H polypropylene as marketed by Pinnacle Polymers Company, in natural, uncolored pellet form is covered under US FDA Food Contact Notification 864. As such, this polymer complies with the requirements of CFR Title 21 and can be used in contact with all food types under Conditions of Use A-H.

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	3200 psi	22.1 MPa	D638[2]
Yield elongation, at 51 mm/min	5%	5%	D638[2]
Flexural modulus (1% secant) at 1.27 mm/min	200,000 psi	1380 MPa	D790A[2]
Notched Izod impact strength, at 73°F/23°C	$\geq$ 1.1 ft-lb/in	$\geq$59 J/m ; $\geq$ 7.4kJ/m²	D256[2]
Gardner Impact at -22°F/-30°C	200 in-lb	22 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

UNIPOL is a trademark of W. R. Grace and Co.

FDA and SDS documents are available on our website at: http://www.pinnaclepolymers.com/datasds.php