Pinnacle PP 2160H

Polypropylene Impact Copolymer

Pinnacle Polymers

Message:

65 MELT FLOW IMPACT COPOLYMER FOR INJECTION MOLDING
Pinnacle Polymers Polypropylene 2160H 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. High Melt Flow improves cycle-times without forfeiting impact. Contains nucleator and antistat.
The 2160H product provides:
High stiffness
Excellent impact at 23°C and -30°C
Very high melt flow
Excellent mold release
Superior processability
Excellent lot-to-lot consistency
UL Listed
Pinnacle's 2160H polypropylene is covered under US FDA Food Contact Notification 864. As such, this polymer can be used in contact with all food types under Conditions of Use A-H, as described in 21 CFR 176.170, Tables 1 and 2. This polymer also complies with 21 CFR 177.1520(c), items 3.1(a) and 3.2(a).

General Information	
Additive	Antistatic
	Nucleating Agent
Features	Antistatic
	Controlled Rheology
	Food Contact Acceptable
	Good Mold Release
	Good Processability
	High Flow
	High Impact Resistance
	High Stiffness
	Impact Copolymer
	Low Temperature Impact Resistance
	Nucleated
Uses	Consumer Applications
	Household Goods
	Thin-walled Packaging
Agency Ratings	FDA 21 CFR 176.170 Tables 1 & 2, Cond A-H
	FDA 21 CFR 177.1520(c) 3.1a
	FDA 21 CFR 177.1520(c) 3.2a
	UL Unspecified Rating

Forms	Pellets		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	0.900	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	65	g/10 min	ASTM D1238
Molding Shrinkage - Flow	1.3	%	ASTM D955
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength [1] (Yield, 3.20 mm, Injection Molded)	26.9	MPa	ASTM D638
Tensile Elongation [2] (Yield, 3.20 mm, Injection Molded)	5.0	%	ASTM D638
Flexural Modulus - 1% Secant [3] (3.20 mm, Injection Molded)	1360	MPa	ASTM D790A
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact [4] (23°C, 3.20 mm, Injection Molded)	75	J/m	ASTM D256
Notched Izod Impact (Area) [5] (23°C, 3.20 mm, Injection Molded)	7.30	kJ/m²	ASTM D256
Gardner Impact [6] (-30°C)	11.0	J	ASTM D5420
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (0.45 MPa, Unannealed)	115	°C	ASTM D648
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		
6.	Method G, Geometry GC		

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China


WECHAT