

Pinnacle PP 8118H

Polypropylene Copolymer

Pinnacle Polymers

Message:

18 MELT FLOW HIGH STIFFNESS COPOLYMER POLYPROPYLENE FOR INJECTION MOLDING

Pinnacle Polymers Polypropylene 8118H 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 copolymer is intended for use in housewares, consumer products and any application requiring both high stiffness and good impact. Contains nucleator and antistat.

The 8118H product provides:

- High stiffness and good impact strength
- Excellent mold release
- Superior processability
- Excellent lot-to-lot consistency

Pinnacle's polypropylene, as marketed by Pinnacle Polymers Company, in natural, uncolored pellet form complies with appropriate requirements of CFR Title 21, Part 177, Subpart B, Section 177.1520 (c) 3.1a entitled "Olefin Polymers" of the Food Additives Amendment of 1958 to the United States Food, Drug and Cosmetic Act of 1938.

General Information			
Additive	Antistatic		
	Nucleating Agent		
Features	Antistatic		
	Copolymer		
	Food Contact Acceptable		
	Good Impact Resistance		
	Good Mold Release		
	Good Processability		
	High Stiffness		
	Nucleated		
Uses	Consumer Applications		
	Household Goods		
Agency Ratings	FDA 21 CFR 177.1520(c) 3.1a		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	18	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, 3.20 mm, Injection Molded)	29.0	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)	1480	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact ⁴ (23°C, 3.20 mm, Injection Molded)	80	J/m	ASTM D256
Notched Izod Impact (Area) ⁵ (23°C, 3.20 mm, Injection Molded)	7.90	kJ/m ²	ASTM D256
Gardner Impact ⁶ (-30°C)	4.20	J	ASTM D5420
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		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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