Pinnacle PP 3220

Polypropylene Impact Copolymer

Pinnacle Polymers

Message:

20 MELT FLOW HIGH IMPACT COPOLYMER FOR INJECTION MOLDING
Pinnacle Polymers Polypropylene 3220 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 injection molding of automotive and consumer product applications. Also contains a long-term heat aging additive system.
The 3220 product provides:
Excellent balance of stiffness and impact strength
Excellent long term heat aging properties
Excellent color and processing stability
Superior weld-line strength
UL Listed
Pinnacle's 3220 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	
UL YellowCard	E130336-221941
Additive	Heat Stabilizer
Features	Food Contact Acceptable Good Color Stability Good Heat Aging Resistance Good Processing Stability Heat Stabilized High Impact Resistance Impact Copolymer Weldable
Uses	Automotive Applications Consumer Applications
Agency Ratings	FDA 21 CFR 176.170 Table 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)	20	g/10 min	ASTM D1238
Molding Shrinkage - Flow	1.4	%	ASTM D955

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength [1] (Yield, 3.20 mm, Injection Molded)	24.2	MPa	ASTM D638
Tensile Elongation [2] (Yield, 3.20 mm, Injection Molded)	7.0	%	ASTM D638
Flexural Modulus - 1% Secant [3] (3.20 mm, Injection Molded)	1160	MPa	ASTM D790A
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact [4] (23°C, 3.20 mm, Injection Molded)	140	J/m	ASTM D256
Notched Izod Impact (Area) [5] (23°C, 3.20 mm, Injection Molded)	14.0	kJ/m^2	ASTM D256
Gardner Impact [6] (-30°C)	20.0	J	ASTM D5420
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (0.45 MPa, Unannealed)	95.0	°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