

Pro-fax PF531

Polypropylene Homopolymer

LyondellBasell Industries

Message:

Pro-fax PF531 radiation resistant, high melt flow, controlled rheology polypropylene homopolymer is available in pellet form. This resin is typically used in injection molding applications and offers retention of physical properties and color after radiation sterilization and good processability.

Pro-fax PF531 resists yellowing and embrittlement after gamma radiation. However, since performance and appearance after radiation sterilization can be sensitive to design and processing choices, the users should verify performance in their application.

Our customers typically use this resin in radiation-sterilizable medical and laboratory devices.

For regulatory compliance information see Pro-fax PF531 Product Stewardship Bulletin (PSB).

Without exception, all potential activities for applications in the pharmaceutical, medical device, laboratory and diagnostics area have to be discussed with the relevant Technical (P & AD) and Business contacts first.

General Information			
Features	Good Color Stability		
	Good Processability		
	High Flow		
	Radiation (Gamma) Resistant		
	Radiation Sterilizable		
Uses	Labware		
	Medical/Healthcare Applications		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.900	g/cm³	ASTM D792B
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	27	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	27.0	MPa	ASTM D638
Tensile Elongation (Yield)	15	%	ASTM D638
Flexural Modulus - 1% Secant ²	830	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	32	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	77.0	°C	ASTM D648
NOTE			
1.	50 mm/min		
2.	1.3 mm/min		

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