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PETG RESIN FOR MEDICAL APPLICATIONS

A type of antibacterial, highly transparent plastic material that are resistant to chemicals and high temperatures.

Innovative technology with care for people

Explore Work

- BPA Free
- Appropriate for infants
- Appropriate for individuals of all ages, including both children and adults.

MAKE YOUR PRODUCT TO ACHIEVE GREAT RESULT



ANTISTATIC



TRANSPARENCY



CHEMICAL RESISTANCE



BIOLOGICAL COMPATIBILITY

If you have any questions or feedback, please contact your local Star Plastics representative or reach out to us at 304.273.0352, sales@starplastics.com and Ashley.gao@starplasticssh.com

PETG: Applications in Medical Use

PETG is a type of transparent plastic, specifically an amorphous copolyester. This remarkable material is well-known for its high transparency and outstanding impact resistance, making it particularly ideal for thick-walled transparent products.

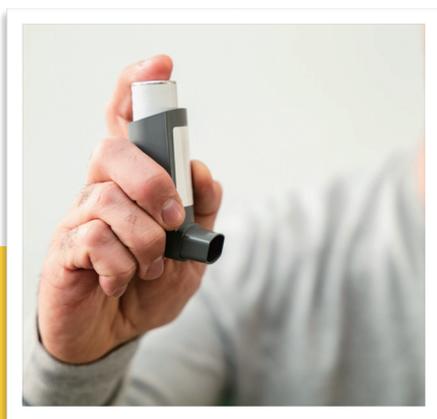


PERFORMANCE

Thermoformability, durability, weather resistance, along with ease of processing, environmental sustainability, and cost-effectiveness.

Physical Properties	Values	Unit	Test Method
Specific gravity	1.27	g/cm & sup3	ASTM D792
Surface resistivity	10 ¹¹	Ω	GB/T1410-2006
HRC (23°C)	100-116		ASTM D785
Mechanical Properties	Values	Unit	Test Method
Tensile Strength (23°C)	45.0-53.1	Mpa	ASTM D638
% Elongation @ Break(23°C)	26.0-28.4	Mpa	ASTM D638
Flexural Modulus(23°C)	1900-2160	Mpa	ASTM D790

MARKET PRODUCT—SPACER INHALER:



This is a respiratory medication device that efficiently delivers powdered medicine at high speed to the inflamed throat area, helping to enhance treatment effectiveness.



APPLICABLE PRODUCTS

Cosmetics Packaging: Skincare, Luxury containers, Talcum powder container, Cups and baby bottles..etc.