

# Lighter™ S98

Polyethylene Terephthalate

Equipolymers

## Message:

LIGHTERTM S98 is a polyester modified to improve infrared reheating of preforms.

LIGHTER S98 provides very good mechanical properties and a wide processing range on all injection molding machines. Moreover, preforms manufactured from LIGHTER S98 provide enhanced infrared heating rates, thus improving the operation of the stretch blow molding process, either increasing the maximum output or reducing the reheat energy. LIGHTER S98 is particularly suitable for the production of bottles for carbonated soft drinks.

General Information	
Uses	Beverage Containers
	Bottles
	Food Containers
Forms	Pellets
Processing Method	Injection Molding
	Stretch Blow Molding

Physical	Nominal Value	Unit	Test Method
Apparent Density	0.88	g/cm <sup>3</sup>	Internal Method
Moisture Content	< 0	ppm	Internal Method
Acetaldehyde	< 1.0	ppm	Internal Method
Crystallinity	> 50	%	Internal Method
Intrinsic Viscosity	0.83 to 0.87	dl/g	Internal Method
Weight - 100 Granules	1.5	g	Internal Method
Color Coordinate - b	< 2.00		Internal Method
Fine Particles	< 500	ppm	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2300	MPa	ISO 527-2
Tensile Stress			ISO 527-2
Yield	55.0	MPa	
Break	24.0	MPa	
Tensile Strain			ISO 527-2
Yield	4.0	%	
Break	250	%	
Flexural Modulus	2100	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C)	4.5	kJ/m <sup>2</sup>	ISO 180
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	78.0	°C	Internal Method

Vicat Softening Temperature	77.0	°C	ISO 306/B50
Melting Temperature (DSC)	247	°C	Internal Method
CLTE - Flow	8.3E-5	cm/cm/°C	ISO 11359-2

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