

# SUPREME GPPS SC 202EL

General Purpose Polystyrene

Supreme Petrochem Ltd.

Message:

SC202EL is a high strength grade for medium thickness applications like CD jewel boxes, audio cassettes, office accessories, medical packaging and injection blow molded medical bottles.

General Information	
Features	Disposable
	Fast Molding Cycle
	General Purpose
	Good Processability
	High Strength
Uses	Audio Tapes
	Bottles
	General Purpose
	Housings
	Medical Packaging
	Medical/Healthcare Applications
Agency Ratings	FDA 21 CFR 177.1640
Forms	Pellets
Processing Method	Blow Molding
	Injection Molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	4.3	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup>	49.0	MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Break)	2.0	%	ASTM D638
Flexural Modulus (3.20 mm)	2840	MPa	ASTM D790
Flexural Strength (3.20 mm)	81.4	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	19	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	87.0	°C	ASTM D648
Vicat Softening Temperature	103	°C	ASTM D1525 <sup>3</sup>
Flammability	Nominal Value		Test Method

Flame Rating (1.60 mm)	HB	UL 94
Injection	Nominal Value	Unit
Processing (Melt) Temp	180 to 260	°C
Mold Temperature	40.0 to 60.0	°C
NOTE		
1.	50 mm/min	
2.	50 mm/min	
3.	Rate B (120°C/h), Loading 1 (10 N)	

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#### 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

