

# SUPREME GPPS SC203E

General Purpose Polystyrene

Supreme Petrochem Ltd.

Message:

SUPREME GPPS SC203E is a General Purpose Polystyrene product. It can be processed by injection molding and is available in Africa & Middle East, Asia Pacific, Europe, or North America. Applications of SUPREME GPPS SC203E include food contact applications, household applications and medical/healthcare.

Characteristics include:

- Clarity
- Food Contact Acceptable

General Information			
Features	Food Contact Acceptable		
	High Clarity		
	Medium Flow		
Uses	Household Goods		
	Medical/Healthcare Applications		
Agency Ratings	FDA 21 CFR 177.1640		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.05	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	8.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	46.1	MPa	ASTM D638
Tensile Elongation (Break)	5.0	%	ASTM D638
Flexural Modulus	2750	MPa	ASTM D790
Flexural Strength	58.8	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	20	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	83.0	°C	ASTM D648
Vicat Softening Temperature	100	°C	ASTM D1525

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