

SUPREME GPPS SC205

General Purpose Polystyrene

Supreme Petrochem Ltd.

Message:

SUPREME GPPS SC205 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 SC205 include electrical/electronic applications and food contact applications.

Characteristics include:

Food Contact Acceptable

High Strength

General Information			
Features	Food Contact Acceptable		
	High Strength		
	Medium Flow		
Uses	Audio Tapes		
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 ³	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	9.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	47.1	MPa	ASTM D638
Tensile Elongation (Break)	5.0	%	ASTM D638
Flexural Modulus	2650	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)	85.0	°C	ASTM D648
Vicat Softening Temperature	103	°C	ASTM D1525

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