

SUPREME GPPS SC206E

General Purpose Polystyrene

Supreme Petrochem Ltd.

Message:

This grade is for applications like synthetic pencils and extrusion coating.

General Information	
Features	Food Contact Acceptable
	High Clarity
	High Flow
Uses	Cups
	Medical/Healthcare Applications
	Packaging
Agency Ratings	FDA 21 CFR 177.1640
Forms	Pellets
Processing Method	Extrusion Coating
	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)	12	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	44.1	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	101	°C	ASTM D1525

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