

**SUPREME GPPS SC206E**  
**General Purpose Polystyrene**  
 Supreme Petrochem Ltd. Web



### Product Description

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

### General

Material Status	• <b>Commercial: Discontinued</b>		
Search for UL Yellow Card	• Supreme Petrochem Ltd.		
Availability	• Africa & Middle East	• Europe	
	• Asia Pacific	• North America	
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
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Specific Gravity	1.05	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (200° C/5.0 kg)	12	g/10 min	ASTM D1238

Mechanical	Nominal Value	Unit	Test Method
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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
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Notched Izod Impact	20	J/m	ASTM D256
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Thermal	Nominal Value	Unit	Test Method
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Deflection Temperature Under Load (1.8 MPa, Unannealed)	83.0	°C	ASTM D648
Vicat Softening Temperature	101	°C	ASTM D1525



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### Revision History

Added to Prospector: November, 1999  
 Last Updated: 11/12/2007

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