

SUPREME GPPS SC 203LV

General Purpose Polystyrene

Supreme Petrochem Ltd.

Message:

SC203LV is an easy flow, high strength grade for long flow path applications like thin wall cups, containers, vials, jars and cutlery produced in multicavity tools. Ideal for glossy cap layer on HIPS sheet.

General Information	
Features	Crystal
	General Purpose
	Good Flexibility
	Good Flow
	Good Processability
	High Strength
	Medium Clarity
	Medium Gloss
Uses	Cups
	General Purpose
	Household Goods
	Thin-walled Containers
	Toothbrush Handles
Agency Ratings	FDA 21 CFR 177.1640
Forms	Pellets
Processing Method	Extrusion
	Injection Molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04	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 ¹	46.1	MPa	ASTM D638
Tensile Elongation ² (Break)	2.0	%	ASTM D638
Flexural Modulus (3.20 mm)	2840	MPa	ASTM D790
Flexural Strength (3.20 mm)	76.5	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	20	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	78.0	°C	ASTM D648

Vicat Softening Temperature	96.0	°C	ASTM D1525 ³
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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