

Sizzle™ GPPS

General Purpose Polystyrene
Plastic Selection Group, Inc.

Message:

Sizzle™ GPPS is a General Purpose Polystyrene product. It is available in North America. Applications of Sizzle™ GPPS include food contact applications and plumbing/piping/potable water. Primary characteristic: food contact acceptable.

General Information			
Features	Food Contact Acceptable		
Agency Ratings	FDA Food Contact, Unspecified Rating NSF 51		
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 Modulus	2620	MPa	ASTM D638
Tensile Strength (Break)	31.0	MPa	ASTM D638
Tensile Elongation (Break)	2.0	%	ASTM D638
Flexural Modulus	2280	MPa	ASTM D790
Flexural Strength (Yield)	66.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Unnotched Izod Impact	21	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	82.0	°C	ASTM D648
Vicat Softening Temperature	97.0	°C	ASTM D1525
Optical	Nominal Value	Unit	Test Method
Transmittance	93.0	%	ASTM D1003
Haze	0.50	%	ASTM D1003
Injection	Nominal Value	Unit	
Rear Temperature	226 to 241	°C	
Middle Temperature	232 to 246	°C	
Front Temperature	238 to 255	°C	
Nozzle Temperature	226 to 255	°C	
Processing (Melt) Temp	204 to 221	°C	
Mold Temperature	27.0 to 38.0	°C	

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