

LGG 1043

General Purpose Polystyrene

LG Polymers India Pvt. Ltd.

Message:

LGG 1043 is a High Heat resistant GPPS grade with Low MFI & High Molecular Weight.

Applications:

Extruded sheet & foamed products (PSP) etc.

General Information	
Features	High molecular weight
	Low liquidity
	Heat resistance, high
Uses	Foam
	Sheet
Forms	Particles
Processing Method	Extrusion
	Sheet extrusion molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)	3.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.40 - 0.60	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	115		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	46.1	MPa	ASTM D638
Tensile Elongation (Break)	5.0	%	ASTM D638
Flexural Modulus	3730	MPa	ASTM D790
Flexural Strength	108	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (6.35 mm)	12	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	98.0	°C	ASTM D1525
Heat Deflection Temperature - Unannealed	85	°C	ASTM D648
Optical	Nominal Value	Unit	Test Method
Transmittance	95.0	%	ASTM D1003
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	180 - 240	°C	

Cylinder Zone 3 Temp.	180 - 240	°C
Cylinder Zone 5 Temp.	180 - 240	°C
Die Temperature	200 - 220	°C

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