

LGH 314

High Impact Polystyrene
LG Polymers India Pvt. Ltd.

Message:

LGH 314 is a High Impact & High flow grade normally used in GAIN (Gas Assisted Injection Molding) process.
Applications:
TV cabinets, High flow length moulds etc.

General Information			
Features	Impact resistance, high		
	High liquidity		
Forms	Particles		
Processing Method	Gas-Assisted Injection Molding		
	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.02	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)	11	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.40 - 0.80	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	93		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	22.6	MPa	ASTM D638
Tensile Elongation (Break)	50	%	ASTM D638
Flexural Modulus	2160	MPa	ASTM D790
Flexural Strength	34.3	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (6.35 mm)	83	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	230	°C	ASTM D1525
Heat Deflection Temperature	50	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94
Injection	Nominal Value	Unit	
Processing (Melt) Temp	180 - 220	°C	
Mold Temperature	50 - 60	°C	

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