

Technical Data Sheet

G300

General Purpose polystyrene

High strength, Excellent Pellucidity, Good heat-resisting property

Applications:

Products are used for injection molding or XPS

Test Item & Properties		Test Condition	Test Method	Typical Value	Unit
Basic Character	Melt Flow Rate	200°c/5Kg	ISO 1133	3-5	g/10min
	Density	23°c	ISO 1183	1.04	g/cm3
Heat Resistant	Deflection Temperature	1.8 Mpa	ISO 75A	Min 98	°c
	Vicat softening Point	A50/Oil	ISO 306	Min 101	°c
Mechanical Properties	Notched Charpy Impact Strength	23°c	ISO 179-1/1Ea	3.4	Kj/m2
	Ultimate Elongation(EL%)	23°c	ISO 527	Min 2.5	%
	Yield Tensile Strength(TSY)	23°c	ISO 527	Min 43	Mpa
Bead size	Bead Size Distribution	---	---	0.7-1.8	Mm
Other	Residual Monomer	---	GB/T16867-1997	Max 500	ppm
Product Process description					
Process Condition	Water absorption is lower than 0.07% and dry time is less than 3 hours under 80°c				
	Suggested injection molding temperature are in range of 180-250°c				
	Do not keep material in hot barrel for long time molding or extrusion process.				