

# ResinDirect HIPS3

High Impact Polystyrene

ResinDirect

Message:

ResinDirect HIPS3 is a High Impact Polystyrene material. It is available in North America for extrusion or injection molding.

Important attributes of ResinDirect HIPS3 are:

Flame Rated

Impact Resistant

General Information	
Features	High Impact Resistance
Forms	Pellets
Processing Method	Extrusion
	Injection Molding

Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	3.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Yield)	26.9	MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Yield)	30	%	ASTM D638
Flexural Modulus <sup>3</sup>	2210	MPa	ASTM D790
Flexural Strength <sup>4</sup>	62.1	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.18 mm)	80	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	88.9	°C	ASTM D648
Vicat Softening Temperature	103	°C	ASTM D1525 <sup>5</sup>
Flammability	Nominal Value	Test Method	
Flame Rating	HB	UL 94	

NOTE	
1.	5.1 mm/min
2.	5.1 mm/min
3.	2.5 mm/min
4.	2.5 mm/min
5.	Rate B (120°C/h)

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Recommended distributors for this material

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