

# ResinDirect HIPS8UL

High Impact Polystyrene

ResinDirect

Message:

ResinDirect HIPS8UL is a High Impact Polystyrene material. It is available in North America.

Important attributes of ResinDirect HIPS8UL are:

Flame Rated

Impact Resistant

General Information			
Features	General Purpose		
	High Impact Resistance		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	8.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup>			ASTM D638
Yield	21.4	MPa	
Break	18.6	MPa	
Tensile Elongation <sup>2</sup> (Yield)	45	%	ASTM D638
Flexural Modulus <sup>3</sup>	1930	MPa	ASTM D790
Flexural Strength <sup>4</sup>	40.7	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.18 mm)	110	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	77.8	°C	ASTM D648
Vicat Softening Temperature	93.9	°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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