

STYRON™ 650 HF

General Purpose Polystyrene Resin

Trinseo

Message:

STYRON™ 650 HF is a high melt flow rate general purpose resin specifically developed for medium to thick XPS board applications. It offers a unique balance of melt tension, processability and foaming behavior. Its high MFR also makes it very suitable for high dosing compounding applications.

Main Characteristics

Very high melt flow rate

Excellent foamability

General Information			
Features	Good Processability		
	High Flow		
Uses	General Purpose		
Forms	Pellets		
Processing Method	Compounding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	46	g/10 min	ASTM D1238, ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
Yield, 3.20 mm ¹	4.90	MPa	ASTM D638
Yield, 3.20 mm	4.90	MPa	ISO 527-2/5
Tensile Elongation			
Break, 3.20 mm ²	3.0	%	ASTM D638
Break, 3.20 mm	3.0	%	ISO 527-2/5
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	101	°C	ISO 306/A120, ASTM D1525 ³
NOTE			
1.	5.0 mm/min		
2.	5.0 mm/min		
3.	Rate B (120°C/h), Loading 1 (10 N)		

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Recommended distributors for this material

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