

Technical Information



STYRON™ 650 HF

General Purpose Polystyrene Resin

Overview

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

Applications:

- Foam sheet
- Masterbatch production

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.04 g/cm ³	1.04 g/cm ³	ISO 1183
Apparent (Bulk) Density	0.60 g/cm ³	0.60 g/cm ³	ISO 60
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	46 g/10 min	46 g/10 min	ISO 1133
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Stress (Yield)	7110 psi	49.0 MPa	ISO 527-2/5
Tensile Strain (Break)	3.0 %	3.0 %	ISO 527-2/5
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Vicat Softening Temperature	214 °F	101 °C	ISO 306/A120

Notes

These are typical properties only and are not to be construed as specifications. Users should confirm results by their own tests.

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