

ENVIROMOULD S1140/1

A Polyurethane Foam for Mouldings

Description

Enviromould S1140/1 is a slow reacting polyurethane foam suitable for a number of applications where a medium density moulded product with a high degree of flame retardancy is required. It exhibits very good flowability and produces a surface skin capable of reproducing fine detail from flexible moulds (e.g. silicone, polyurethane), making it an excellent choice for hand-mixed or machine-dispensed mouldings.

Typical Properties

Appearance	Resin	Off white liquid
	Isocyanate	Dark brown viscous liquid
Specific Gravity (20°C)	Resin	1.14 g/cm ³
	Isocyanate	1.24 g/cm ³
Viscosity (25°C)	Resin	1256 mPas
	Isocyanate	240 mPas
Weight ratio	100 Resin	110 Cellanate M
Reaction times hand mixed at 20°C	Cream time	36 seconds
	Rise time	120 seconds
Free rise density		150 kg/m ³
Moulded density (overall)		800 kg/m ³ * refers to test panel 100 x 100 x 6mm thickness
Flame Retardancy	Complies with UL94/VO	

Environmental, Health and Safety

Please refer to the Safety Data Sheet for the safe use of this product. The product should be used in accordance with site risk assessments ensuring the correct PPE and exposure controls are used.

Please Note: Whilst every effort is made to ensure it's accuracy, the data held on this sheet is meant for informational purposes only. The typical properties listed are the result of extensive laboratory tests, but since Huntsman IFS Polyurethanes Ltd has no control over the end use of each material, the Company cannot guarantee that these results will be obtained in practice. Users should conduct their own tests to determine the suitability of each material for it's intended application.

For more information please contact Huntsman IFS on +44 (0)1485 601155