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# CORAFOAM® U 40

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## Description

Polyurethane rigid foam PUR

Blowing agents: HCFC- and CFC-free

## Characteristics

Density	ASTM D1622	lb/ft <sup>3</sup> (kg/m <sup>3</sup> )	4 (64)
Color			Brown
Compressive strength – parallel	ASTM D1621	lb/in <sup>2</sup> (kPa)	95 (655)
Compressive strength - perpendicular	ASTM D1621	lb/in <sup>2</sup> (kPa)	66 (455)
Tensile strength - parallel - (Method A)	ASTM D1623	lb/in <sup>2</sup> (kPa)	130 (900)
Tensile strength - perpendicular - (Method A)	ASTM D1623	lb/in <sup>2</sup> (kPa)	105 (723)
Shear strength - perpendicular	ASTM C273	lb/in <sup>2</sup> (kPa)	65 (448)
Flexural strength - parallel (method I)	ASTM C203	lb/in <sup>2</sup> (kPa)	116 (800)
Closed cells	ASTM D6226	% min	92
Thermal conductivity 180 days (75°F - 24°C)	ASTM C518	BTU-in/hr-ft <sup>2</sup> -°F (mW/mK)	0.25 (35.6)
R-Value (180 days, 1 inch)	ASTM C518	hr-ft <sup>2</sup> -°F/BTU (m <sup>2</sup> -K/W)	4.00 (0.70)
Operating temperature		°F (°C)	-300/+195 (-184/+90)
Coefficient of linear thermal expansion (CTE)	ASTM D696	1/°F (1/K)	33·10E-6 (59·10E-6)

## Handling notice

For "parallel" and "perpendicular" in the description of the tests we mean that the reference is the direction of growth of polyurethane.

In some applications polyurethane may present fire risks, e.g. if exposed to fire or to excessive heat in presence of oxygen or air, including when welding or cutting with torches.

## Remarks

For usage information, personal protective equipment, transport, storage and disposal of waste it is essential to refer to the Material Safety Data Sheets.

The information and data contained on this technical sheet refers only to samples tested in our laboratory and indicative of the characteristics obtainable under controlled conditions. DUNA-USA INC. does not accept responsibility for incorrect use of its products and cannot ensure the correct methods of application have been followed.

This Technical Data Sheet cancels and replaces any other previous issue.

The reported data outline typical characteristics and do not constitute specifications of sale.

DUNA-USA INC. reserves the right to change the data in this information sheet without notice.