

Description

Polyurethane rigid foam PUR

Blowing agents: Cyclopentane and isomers

Typical characteristics

Nominal density	ASTM D1622/EN 1602/EN ISO 845	lb/ft ³ (kg/m ³)	2.2 (35)
Compressive strength – Parallel (74°F/23°C)	ASTM D1621/EN 826	psi (MPa)	39.2 (0,27)
Compressive strength - Perpendicular (weakest direction), (74°F/23°C)	ASTM D1621/EN 826	psi (MPa)	20.3 (0,14)
Tensile strength - Parallel (74°F/23°C)	ASTM D1623-A/EN 1607	psi (MPa)	68.2 (0,47)
Tensile strength - Perpendicular (weakest direction), (74°F/23°C)	ASTM D1623-A/EN 1607	psi (MPa)	47.9 (0,33)
Shear strength - Perpendicular (weakest direction), (74°F/23°C)	ASTM C273/EN 12090	psi (MPa)	30.5 (0,21)
Thermal conductivity - Initial (68°F/20°C)	ASTM C518/ASTM C177/EN 12667	BTU-in/hr-ft ² ·°F (mW/mK)	0.15 (22,2)
Thermal conductivity - Initial (50°F/10°C)	ASTM C518/ASTM C177/EN 12667	BTU-in/hr-ft ² ·°F (mW/mK)	0.15 (21,8)
Fire reaction	DIN 4102	Class	B3
Fire reaction (blocks, sheets)	EN 13501/EN ISO 11925	Euroclass	F
Dimensional stability (48h, -13°F/-25°C) - Length/Width - Thickness	ASTM D2126/EN 1604	%	±0.5 ±0.5
Dimensional stability (48h, +212°F/+100°C) - Length/Width - Thickness	ASTM D2126/EN 1604	%	±1.5 ±1.0
Dimensional stability (48h, +158°F/+70°C, 90% R.H.) - Length/Width - Thickness	ASTM D2126/EN 1604	%	+2.0 +1.5
Water absorption by volume	ASTM D2842/EN 12087/ISO 2896	%	3.5
Operating temperature		°F (°C)	-58/+212 (-50/+100)
Closed-cell content	ASTM D6226/EN ISO 4590	%	92

Handling notice

Terms "parallel" and "perpendicular" are referred to slab/specimen/block thickness direction.

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.

It is the Customer's responsibility to determine if product described herein is appropriate for Customer's purposes and end-use and to ensure that working place, storage and disposal practices are in compliance with any applicable law.



Remarks

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

Values shown are determined from laboratory tests and obtained under controlled conditions; they outline typical characteristics and they do not constitute anyhow a sales specification; they are based on DUNA-USA's current knowledge and experience of the products when properly stored, handled and applied in accordance with our recommendations.

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

DUNA-USA does not accept responsibility for incorrect use of its products as it cannot ensure the correct methods of application have been followed; we therefore specifically disclaim any liability for consequential or incidental damages of any kind, including lost profits.

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

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