Description
Polyisocyanurate rigid foam
Blowing agents: CFCs/HFCs-free
Approvals, Homologations, Compliances ASTM C 591–Type IV–Grade 2

Characteristics

| Characteristics                     | Test Method          | Density       | Compressive resistance – Parallel (74°F/23°C) | psi (MPa) | Compressive resistance – Perpendicular (74°F/23°C) | psi (MPa) | Compressive resistance – Parallel (-265°F/-165°C) | psi (MPa) | Compressive resistance – Perpendicular (-265°F/-165°C) | psi (MPa) | Tensile strength - Parallel (74°F/23°C) | psi (MPa) | Tensile strength - Perpendicular (74°F/23°C) | psi (MPa) | Tensile strength - Parallel (-265°F/-165°C) | psi (MPa) | Tensile strength - Perpendicular (-265°F/-165°C) | psi (MPa) | Shear strength - Perpendicular (74°F/23°C) | psi (MPa) | Thermal conductivity - Initial (75°F/24°C) | BTU·in/hr·ft²·°F (mW/mK) | Thermal conductivity - 180 days (75°F/24°C) | BTU·in/hr·ft²·°F (mW/mK) | Coefficient of thermal stress resistance CTSR (-265°F/74°F, -165°C/+23°C) | CINI 2.7.01 | Poisson's Ratio (-265°F/-165°C) | psi (MPa) | Coefficient of linear thermal expansion CTE (-321°F/+74°F, -196°C/+23°C) | 1/°F·10E-6 (1/K·10E-6) | Surface burning characteristics | ASTM E84 | Surface burning characteristics | ASTM E84 | Horizontal burning characteristics | UL 94/ASTM D4986 | Leachable chlorides | ASTM C871/EN 13468 | ppm | pH | ASTM C871/EN 13468 | <6.0-7.0 | Dimensional stability (-40°F/-40°C, 7 days) - linear change (length) | ASTM D2126/EN 1604 | % | Dimensional stability (+212°F/+100°C, 7 days) - Linear change (length) | ASTM D2126/EN 1604 | % |
|-------------------------------------|----------------------|---------------|-----------------------------------------------|-----------|-----------------------------------------------|-----------|-----------------------------------------------|-----------|-----------------------------------------------|-----------|-----------------------------------------------|-----------|-----------------------------------------------|-----------|-----------------------------------------------|-----------|-----------------------------------------------|-----------|-----------------------------------------------|-----------|-----------------------------------------------|-----------|-----------------------------------------------|-----------|-----------------------------------------------|-----------|-----------------------------------------------|-----------|
| Color                               | Green                |               |                                               |           |                                               |           |                                               |           |                                               |           |                                               |           |                                               |           |                                               |           |                                               |           |                                               |           |                                               |           |                                               |           |                                               |           |                                               |           |                                               |           |                                               |           |                                               |           |
### Handling notice

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

Above 300°F, discoloration and surface carbonization will occur, involving possible changes of the physical and mechanical properties of the material.

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 any 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.