LONEFLEX INTERNATIONAL

TECHNICAL & CERTIFICATION SUMMARY

AEROCELL CLASS 0

Closed-cell elastomeric NBR insulation supplied by Loneflex International.

KEY TECHNICAL DATA

Property	Performance / Value	Test / Reference
Thermal conductivity	≤ 0.035-0.038 W/m·K across 50-104°F	ASTM C518
Water vapor diffusion resistance	μ ≥ 7000	ASTM E96
Cell structure	Closed cell	-
Temperature range	-40°F to 221°F	-
Density	40-60 kg/m³	ASTM D1056
Ecological data	No asbestos; no HCFC/CFC; no formaldehyde; no Cd/Hg	-
Ozone resistance	Very good	-
Odor	Negligible	-

FIRE / INDOOR AIR QUALITY

Claim / Certification	Result	Standard / Reference
Fire performance	Class 0	BS 476 Part 6 & 7
Surface flame spread	Class 1	BS 476 Part 7
Fire propagation	I < 12 & i1 < 6	BS 476 Part 6
Vertical burning	Class V-0	UL 94
Practical fire behavior	Self-extinguishing; does not drip or spread flames	ASTM D635
FM approval	Approved	FM Approvals Class 4924
Indoor air quality	GREENGUARD Gold certified	UL 2818
Fungal resistance	Rating 0	ASTM G21

Application: HVAC&R; piping, refrigeration lines, chilled-water systems, plumbing and other mechanical-insulation applications where closed-cell elastomeric insulation is specified.

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