

SIMORAIL[®] HL3



Description SIMORAIL[®] HL3 is a low-flammability thermoplastic sheet designed for rail interior applications where compliance with NFPA 130, SMP800C or BSS7239 is required.

Applications Rail interior components, seat backs, tray tables, window shrouds, etc.

PROPERTY	TYPICAL VALUE*	UNITS	TEST METHOD
Specific Gravity	1.29	Unitless	ISO 1183
Tensile Strength at Yield	7,149 (49.3)	psi MPa	ASTM D638
Tensile Modulus	579,386 3,995	psi MPa	ASTM D790
Flexural Modulus	495,676 (3,418)	psi MPa	ASTM D790
Notched Izod Impact	2.45	ft-lb/in	ASTM D256
HDT at 66 psi (0.45MPa)	212 (100)	°F (°C)	ASTM D648
Flammability: Flame Spread Index	< 35		ASTM E162
Flammability: Smoke Density	D _s (1.5) < 100 D _s (4.0) < 200		ASTM E662
Caloric Content	4,457	BTU/lb	ASTM E1354
Toxic Gas Generation: Bombardier SMP 800C	PASS		SMP 800C
Toxic Gas Generation: Boeing BSS 7239	PASS		BSS 7239

* Property values tested on monolithic extruded sheet, 0.180 in. (4.6 mm) thick.

NOTE: Data values are typical properties and are not to be construed as specifications. Users should confirm results by their own tests and evaluation methods. SIMONA PMC makes no warranties, expressed or implied, concerning the suitability of use. No freedom from infringement of any patent of others is to be inferred. SIMONA PMC reserves the right to make additions, deletions, or modifications to this information at any time without prior notification. Rev. 04.20

SIMONA PMC
2040 Industrial Drive
Findlay, OH 45839
T: 877.289.7626
F: 419.425.0501
www.simona-pmc.com