

NFPA 286 POLYLIFE

High density polyethylene material engineered to meet the NFPA 286 burn test criteria for COLUMBIA LOCKERS & COLUMBIA PARTITIONS.



ADVANTAGES

- Meets NFPA 286 Corner Fire Test Requirements
- Solid Color Throughout
- Won't Delaminate, Rust, or Corrode

APPLICATIONS

- Toilet Partitions
- Lockers
- Shower Dividers

NFPA 286 POLYLIFE Toilet Partitions & Lockers

Manufactured from SIMOBOARD Defender™ High Density Polyethylene (HDPE) sheet engineered to meet the unmodified corner burn test criteria for COLUMBIA LOCKERS & COLUMBIA PARTITIONS.

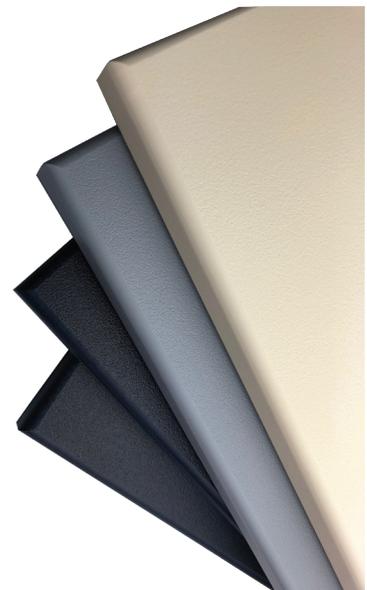
What is NFPA 286?

When High Density Polyethylene (HDPE) is used in an interior finish, it must be tested to comply with NFPA 286 standard methods of fire tests for evaluating contribution to wall and ceiling interior finish to room growth. This code has been adopted in almost all US States and is enforced by building inspectors in new construction.

Toilet Partitions and Lockers do not have to be bland and you should not have to be concerned about the safety and durability of these products. The NFPA 286 COLUMBIA LOCKERS & COLUMBIA PARTITIONS are available in multiple colors with a durable matte finish on both sides.

CONFIGURATIONS

- 1" Thick - Toilet Partitions
- 1/2" Thick - Lockers



Properties of POLYLIFE Material for NFPA 286 Material Test

Property Units of Measure ¹	Test Method	Typical Values	
		NFPA 286 POLYLIFE®	
Specific Gravity	ASTM D792	1.17 g/cm ³	
Water Absorption, %	ASTM D570	<0.01%	
Mechanical			
Tensile Strength@ Yield	ASTM D638	3,300 psi	22.75 MPa
Elongation @ Break, %	ASTM D638	>5%	
Flexural Module	ASTM D790	245,000 psi	1,689MPa
Notched Izod Impact	ASTM D256	0.75 ft-lb/in.	40 j/m
Hardness, Shore D	ASTM D2240	72	
Thermal			
Continuous Service Temperature	Maximum	170°F	76.7°C
Melting Point	ASTM D3418	267°F	130.7°C
Heat Deflection Temp. @ 66 psi (0.45 MPa)	ASTM D648	167°F	75°C
Heat Deflection Temp. @ 264 psi (1.8 MPa)	ASTM D648	110°F	43.4°C
Regulator Codes			
NFPA 286:15	-	PASS	
International Building Code (2015) Chapter 8, Section 803 1.2.1	-	PASS	

For more information about POLYLIFE applications in your next project, visit us online at PSiSC.com or give us a call at 866.337.7286

POLYLIFE NFPA 286 Color Chart*



PL-480 Paisley



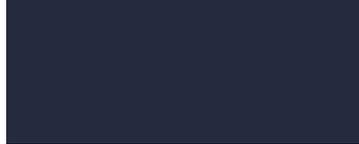
PL-410 Dawn Gray



PL-420 Linen



PL-490 Black



PL-400 Blueberry



PL-440 Slate

**For an exact color demonstration, please request a physical sample chain.*

PSiSC utilizes the SIMOBOARD Defender™ for the fabrication of NFPA 286 toilet partitions & lockers.



COLUMBIA
PARTITIONS[®] **COLUMBIA**
LOCKERS[®]
Manufactured by PSiSC[®]

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