

HP Evaluated Foams Industry Standard Servers

HP has determined that density alone is no longer a good indicator of foam performance. HP will also specify a requirement for the foam to meet a compressive creep characteristics as specified by ASTM D3575 Suffix BB. The foams listed below have been evaluated. Any other foam **MUST** be evaluated before it can be utilized.

Approved Foams

1.2 PCF material

actual density 1.2 – 1.7 pcf

preferred color = light green

Not more than 10% compression creep per ASTM D3575 suffix BB at 1.0 psi for 1000 hrs

Sealed Air

CelluPlank E (NY & TX)

Stratocell E (Italy)

Ethafoam 150 (NY & TX)

Dow

ETHAFOAM Nova

Krafoam 120

1.2 PCF

FAWO LAM 23

1.2 PCF (Jiading, Shanghai, China)

1.7 PCF material

actual density 1.6 – 1.9 pcf

preferred color = light blue

Not more than 10% compression creep per ASTM D3575 suffix BB at 1.25 psi for 1000 hrs

Sealed Air

Stratocell S (Italy)

CelluPlank 170 (Malaysia & China)

CelluPlank 170 (NY & TX)

Ethafoam 180 (NY & TX)

Dow

ETHAFOAM Select

Pactiv-Pregis

1.7 PCF PolyPlank Extruded Plank (NC & IN)

Asahi KASEI (Japan)

Suntec Foam B45

Modern Material Enterprise

Softlam 1.7 PCF

FAWO LAM

27 kg/m³ (Xiamen, China)

FAWOLAM 27

1.7 PCF (Jiading, Shanghai, China)

Fawoten 27

27 kg/m³ (Xiamen, China)

2 PCF material

actual density 2.0 – 2.4 pcf

preferred color = white

Not more than 10% compression creep per ASTM D3575 suffix BB at 2.0 psi for 1000 hrs

Sealed Air

CelluPlank 220 (Malaysia & China)

CelluPlank 220 (TX & NY)

Ethafoam 220 (TX)

Dow

ETHAFOAM 220

Asahi KASEI (Japan)

Suntec Foam Q35

Seksui (Japan)

2 PCF

Modern Material Enterprise

Softlam 2.2 PCF

FAWO LAM

35 kg/m³ (Xiamen, China)

FAWO LAM 35

2.2 PCF (Jiading, Shanghai, China)

Pregis Polyplank

2.2 PCF (Plymouth, IN & Visalia, CA)

4, 6 & 9 pcf FOAM DO NOT HAVE ANY EXCLUSIONS (3-25-2005)

Note: "Laminated" must be included in the material note before it may be included quote/production.

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Foams that need to be excluded due to excessive compressive creep

1.2 PCF material		actual density 1.2 – 1.7 pcf
Not more than 10% compression creep per ASTM D3575 suffix BB at 1.0 psi for 1000 hrs		
		Creep %
Sealed Air	Stratocell E (Texas)	15%
	Stratocell E (New York)	30%
	Stratocell 120 (Brazil)	21%
	Stratocell E (England)	16%
	Stratocell 120 (Malaysia)	17%
	Stratocell 120 (U.S.)	14%
FAWO LAM (Malaysia)	23 kg/m3	20%
Pregis	1.2 PCF H-Cell Laminated Plank (NC & IN)	20%
CADPLAST	Cadlam 28 BR (Brazil)	11%

1.7 PCF material		actual density 1.6 – 1.9 pcf
Not more than 10% compression creep per ASTM D3575 suffix BB at 1.25 psi for 1000 hrs		
		Creep %
Sealed Air	Stratocell 170 (Brazil)	23%
	Stratocell S (England)	16%
	Stratocell 170 (Malaysia)	16%
	Stratocell S (Kettering, UK)	>11% at 864 hours
	Stratocell S (Texas)	13%
	Stratocell (New York)	52%
	CelluPlank 170 (CA)	13%
	Dow	PC17
WingFung	1.7~1.8PCF laminate	>10% @600 hours
Sheawa (Korea)	1.9 to 2.2 PCF	*
Dunam (Korea)	1.7 TO 2.2 PCF	*
Modern (Taiwan)	1.9 PCF	*
Lai Advance (Taiwan)	1.9 PCF	*
Associate-Airpax (Malaysia)	1.7 TO 2.2 PCF	*
FAWO LAM (Malaysia)	27 kg/m3	15%
King Door	1.7 PCF	>10% @ 168 hrs
JINGJIA (KUNSHAN)	1.7 PCF	>18%
Pregis	1.7 PCF H-Cell Laminated Plank (NC & IN)	32%
Superpack (India)	1.7 PCF	>15%
Supreme (India)	1.7 PCF	>15%
ShenZhen HongXinYuan Science and Tech CO, LTD	1.7 PCF	>11%
Krafoam	1.8 PCF	>18%
CADPLAST	Cadlam 30 BR (Brazil)	13%

* compression creep test results tested can be from range of 9% to 13%.

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Foams that need to be excluded due to excessive compressive creep

2 PCF material

actual density 2.0 – 2.4 pcf

Not more than 10% compression creep per ASTM D3575 suffix BB at 2.0 psi for 1000 hrs

		Creep %
Sealed Air	Cellulplank 220 (CA)	11%
	Stratocell 220 (Brazil)	17%
	Sratocell 220 (Malaysia)	14%
	Strotocell H (Italy)	44%
	Stratocell H (Texas)	30%
	Stratocell H (New York)	44%
	Ethafoam 220 (New York)	18%
Dow	PC20	~20%
Hanwha	2.0 PCF laminate	>10% at 200 hours
Boonma	2.0 PCF laminate	>10% @ 24 hours
Sheawa (Korea)	1.9 to 2.2 PCF	*
Dunam (Korea)	1.7 TO 2.2 PCF	*
Modern (Taiwan)	1.9 PCF	*
Lai Advance (Taiwan)	1.9 PCF	*
Associate-Airpax (Malaysia)	1.7 TO 2.2 PCF	*
FAWO LAM (Malaysia)	35 kg/m3	15%
JINGJIA (KUNSHAN)	2.2 PCF	>18%
Pregis	2.2 PCF PolyPlank Extruded Plank (NC)	17%
Pregis	2.2 PCF H-Cell Laminated Plank (NC)	36%
Superpack (India)	2 PCF	>15%
Supreme (India)	2 PCF	>15%
Krafoam	2 PCF	>15%

* compression creep test results tested can be from range of 9% to 13%.