

PORON® Urethane Foams

PORON® ShockPad Foam — 4790-79SP-15012 — Data Sheet

Typical Values

	Property	Method	Detail	Unit	Value
Urethane	Density	ASTM D 3574-95	Test A	lb/ft³ (kg/m³)	15 (242)
	Tolerance				± 1.5 (24)
	Compression Force Deflection	Strain rate = 0.2"/minute	@ 25% Deflection	typical, psi (kPa)	4.34 (29.9)
	Compression Set	ASTM D 3574-95	Tested @ 70°C (158°F)	Typical % Maximum %	2 10
	Color (Code)				Black (04)
Supported Adhesive	Peel Adhesion	ASTM D 1000 180° Peel	To Stainless Steel To Polypropylene To PolyCarbonate To ABS	N/25mm (oz/in)	20 min @ RT/ 72 hrs @ RT 8.0 (28.9) / 9.1 (32.7) 7.8 (28.0) / 8.0 (28.7) 8.5 (30.7) / 10.1 (36.2) 8.2 (29.4) / 9.7 (34.8) 8.2 (29.4) / 9.7 (34.8)
	Release Adhesion	ASTM D 1000 180° Peel	Room Temp 96 hr @ 66°C/80% RH	gram/in	9.4 10.6
	Tack	ASTM D 2979 (1 sec dwell)	Room Temp 96 hr @ 66°C/80% RH	grams	424 411
	Tensile	ASTM D 882	Room Temp MD/CMD 96 hr @ 66°C/80% RH	kg (lb)	5.4 (12.0) / 4.1 (9.1) 5.1 (11.4) / 5.0 (11.0)
	Elongation	ASTM D 882	Room Temp MD/CMD 96 hr @ 66°C/80% RH	%	78 / 32 74 / 66
	Shelf Life		from date of manufacture	months	12

Material	Description	Thickness		Tolerance	
		mm	mil	mm	mil
Urethane Foam	PORON ShockPad	0.27	10.5	± 0.076	± 3.0
Supported Adhesive	PET and Adhesive	0.038	1.5	+ 0.005/- 0.01	+ 0.2/- 0.4
Total Construction*	Foam, PET, Adhesive	0.30	12	± 0.076	± 3.0

* The Liner is typically removed by the end user and not included as part of the total thickness

Storage Information

PORON ShockPad materials have a shelf life of 12 months from the date of manufacture when stored at room temperature. Storage in the original packaging located in a dry cool environment is recommended.

Note: All unit conversions are approximate. Additional technical information is available.

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