



Technical Data Sheet

JMP Ethapack

Basis

Medium Density Polyethylene Foam

General Properties and Applications:

JMP Ethapack foam has outstanding dimensional stability and recovery characteristics that provide optimal cushioning protection against repeated impacts. It is ideal for cushion packaging and is used in many applications, including Computer, Automotive, Construction and Recreation. JMP Ethapack foam is also ideally suited as a component material in products requiring a Shock Absorbing, Vibration Dampening, Insulation, Barrier and/or Buoyancy Component

Technical Data:

Typical properties	Test Method Reference	Unit	Specification
Nominal Density	ASTM D3575 - 08 Suffix W ISO 845:2006	Kg/m ³	37
Compressive Strength			
Vertical @ 10%	ASTM D3575 - 08 Suffix	Kpa	50
Vertical @ 25%	ISO 7214:2007		65
Vertical @ 50%			125
Compressive strength			
Vertical @ 25% (4th Compression)	ISO 3386 1986 part 1	Kpa	30
Vertical @ 50% (4th Compression)	DIN 53577		90
Vertical @ 70% (4th Compression)			220
Compression set	ASTM D3575 - 08 Suffix B (50% Compression)	%	<20
	ISO 1856:2000 (25% Compression)		<10
Compressive Creep	ASTM D3575 - 08 Suffix BB 168 hrs	%	<5 (2 psi / 14 kg/dm ²)
Compressive Creep	ASTM D3575 - 08 Suffix BB 10000 hrs	%	<10 (2.5 psi / 17.5 kg/dm ²)
Thermal Stability	ASTM D3575 - 08 Suffix S ISO 2796	%	<2
Tensile Strength @ peak (MD/CD)	ASTM D3575 - 08 Suffix T ISO 1798: 2008	Kpa	213 165
Tensile Elongation (MD/CD)	ASTM D3575 - 08 Suffix S ISO 2796	%	<2
Tear Strength (MD/CD)	ASTM D3575 - 08 Suffix G	N/cm	17 14
Water Absorption	ASTM D3575 - 08 Suffix L ISO 2896: 1986	Volume %	<3
Surface Resistance (antistatic grade - dissipative)	EIA STD 541 - 2008 Section 4.3	Ohms	<10
Surface Resistance (antistatic grade - dissipative)	IEC 61340-5-1, ed,1 2007	Ohms	<10
Fire-test response Characteristics (1)			
Transportation Automotive	FMVSS 302	/	Pass

Due to the wide variety of possible installation and operating conditions the behaviour of the material cannot be guaranteed. While the utmost care has been used in compiling this brochure it must only be used as a general guide. This specification is subject to change without notice. Latest Version available at www.jmp.co.za .If in doubt, our staff will be pleased to assist you in finding the optimum sealing solutions.