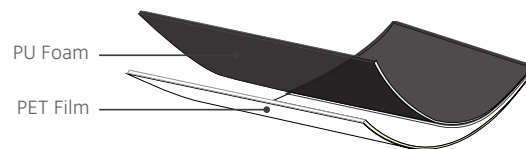


Technical Data Sheet: ZMMC400-050

Moderately Soft with Hard and Fast Rebound Thin PU Foam



ZMMC400-050 is a moderately soft with hard and fast rebound polyurethane (Polyurethane) foam, suitable for thin space, can provide good shock absorption and cushioning effect. The softness and hardness are close to the traditional CR rubber sponge, but the shortcomings of CR compression fatigue and large thickness tolerance are greatly improved. The foam body reinforce with PET film enable better stable dimension and also enhance efficiency for adhesive tape lamination.



Characteristics

- Suitable for thin institutional space, providing cushioning and airtight functions
- It has high recovery after compression, and it still has its proper function after long-term use
- Moderately soft and hard, with hardness 25-45 degrees (Asker C)
- The foam does not stretch during punching, improving dimensional stability

Applications

- Suitable for foot pads that require high load or space filling function
- Suitable to be used in automotive industry and home appliances industry

Properties

Properties	ZMMC400-050	Standard
Colour	Black	-
Total Thickness (mm)	0.50	ASTM D3574
Density (kg/m ³)	400 ± 40	ASTM D3574
25% compression force (kg/cm ²)	0.72 (0.4 ~ 1.5)	ASTM D3574-05
Compression deformation rate 50% pressure (70°C, 22h) (%)	10	ASTM D3574
Dimensional Stability (% Max Change)	2	ASTM D3574
Recommended Long-term Temperature, Maximum Temperature (°C)	70	SAE J-2236
Recommended Intermittent Temperature, Maximum Temperature (°C)	120	ASTM D746-98

Remark: Technical Data Sheet reflect the average performance of products based on data from controlled standard testing environments and engineering experience but are not guaranteed. User should independently determine the suitability of this material for their specific purpose, assume all risk and liability associated with such use.