



YQX-RMF35 Recycled Melamine Foam / YQX-RMF35

35kg 回收三聚氰胺泡沫

TECHNICAL DATA SHEET (TDS) / 技术数据表

1. Product overview / 产品概述

Model: YQX-RMF35 (Recycled Melamine Foam)

型号: YQX-RMF35 (回收三聚氰胺泡沫)

YQX-RMF35 is a cost-effective recycled composite foam made by bonding post-industrial melamine foam scraps with a polyurethane system. It retains excellent flame retardancy, thermal insulation properties, and soundproofing capabilities, making it suitable for wall insulation, partition fillers, and machine enclosures. It is ideal for non-breathable applications, where cost-effectiveness and durability are key.

YQX-RMF35 是一种具有成本效益的回收复合泡沫，由三聚氰胺泡沫废料与聚氨酯体系结合而成，保持了出色的阻燃、隔热性能和吸音效果，广泛应用于墙体隔热、隔断填充和机械外壳中，特别适用于不可呼吸的环境，尤其注重成本效益和耐用性。

Material positioning: cost-effective, environmentally friendly recycled foam for non-breathable insulation applications.

材料定位：具有环保优势的回收泡沫，适用于不可呼吸的隔热应用。

2. Key features & benefits / 主要特性与优势

- Recycled material from post-industrial melamine foam scraps
由三聚氰胺泡沫废料回收再生而成
- Flame retardant (UL 94 V-0 / GB 8624 B1)
阻燃 (UL 94 V-0 / GB 8624 B1)
- Effective thermal and sound insulation
有效的热隔离和声学隔音
- Low cost and environmentally friendly
低成本且环保
- Available in sheets, blocks, or CNC-cut filler panels
提供片材、块材或 CNC 切割填充板



3. Typical properties / 典型性能参数

Values are typical and provided for engineering reference only. Actual values may vary with compression parameters, humidity conditioning and test method.
以下数据为工程参考典型值，实际性能可能随压缩工艺参数、湿度平衡及测试方法不同而变化。

Property 性能项目	Unit 单位	Test method 测试方法	Typical / Range 典型值 / 范围
Density 密度	kg/m ³	ISO 845	35 ± 5
Color 颜色	-	Visual	Off-white
Thermal conductivity 导热系数	W/(m·K)	ASTM C518	≤ 0.034
Sound insulation function 隔音功能	-	ISO 140-3	Effective for wall cavity insulation
Compression strength (10%) 压缩强度 (10%)	kPa	ISO 3386-1	18–25
Flame resistance 阻燃性能	-	UL 94, GB 8624	UL 94 V-0, GB 8624 B1
Water absorption 吸水率	kg/m ²	ISO 62	≤ 0.8
Formaldehyde emission 甲醛排放	-	-	Depends on PU bonding system; sealing recommended
Working temperature 使用温度范围	°C	Internal	-40 to +120 (continuous), +150 (short-term)

4. Supply forms / 供货形式

Supply forms:

- Sheets



- Blocks
- CNC-cut filler panels

供货形式:

- 片材
- 块材
- CNC 切割填充板

5. Application areas / 应用领域

- Cavity insulation in walls, ceilings, and partitions
墙体、天花板、隔断的隔热填充
- Soundproofing for HVAC and machine enclosures
HVAC 和机械外壳的隔音填充
- Sandwich panel insulation
夹芯板隔热层
- Not recommended for breathable or decorative acoustic panels
不推荐用于可呼吸或装饰性声学面板

6. Use guidance / 使用建议

- Sealing recommended for use in breathable acoustic panels.
- Store in a dry place and protect from UV exposure.
- 对于可呼吸的声学面板，建议进行封闭处理。
- 存放于干燥处，避免紫外线曝晒。

7. Storage, handling & transportation / 存储、操作与运输

Store in a dry, cool environment to avoid prolonged UV exposure.

Packaging is standard PE bags, store in cool and dry places.

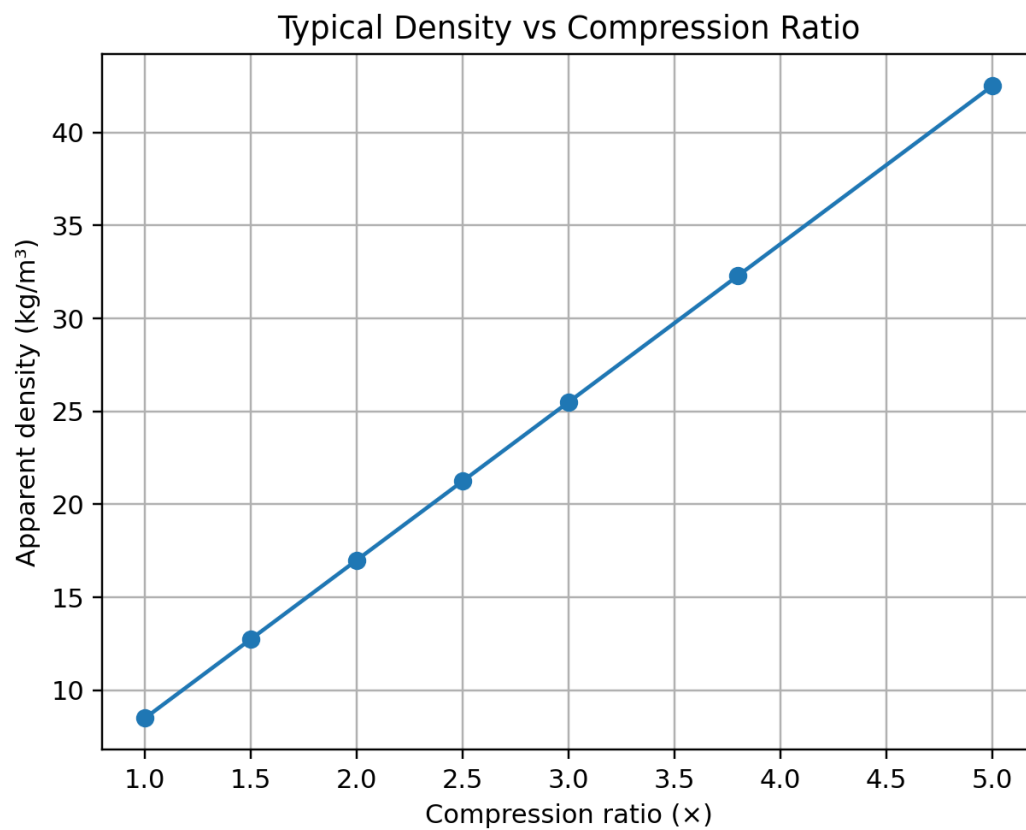
应存放于干燥、阴凉处，避免长时间紫外线暴露。

标准包装为 PE 袋，存放于阴凉干燥处。

8. Typical performance curves / 典型性能曲线

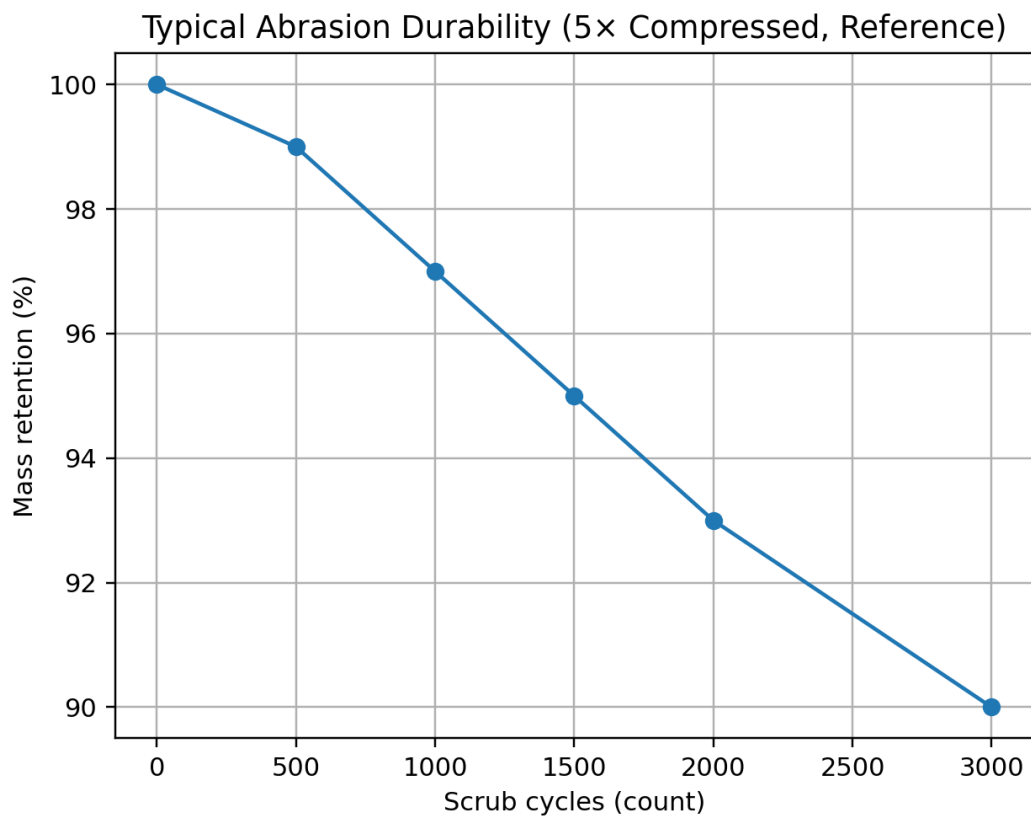
Typical density vs compression ratio

典型密度-压缩比关系（参考）



Typical abrasion durability (reference)

典型耐磨耐用性（参考）



9. Compliance & disclaimer / 合规与免责声明

This TDS does not replace Safety Data Sheets (SDS) or project-specific qualification documents. Typical values are not guaranteed specifications. Performance depends on application conditions.

本技术数据表不替代安全数据表（SDS）或项目级认证文件；所列数据为典型值，不构成保证指标。性能效果与具体工况相关，需客户自行验证。

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