



添加剂

TEMAD ESPANSOR

名称 **TEMAD ESPANSOR**
品编 **根据配方制作**
类 **膨胀添加剂**

NAME: **TEMAD ESPANSOR**
CODE: **according to the formulation**
TYPOLOGY **EXPANDING ADDITIVE**

描述 TEMAD ESPANSOR具备强大的膨胀作用。膨胀剂可用于挠性薄膜的注塑冲压、挤压，单丝挤压行业等，旨在降低制成品重量。膨胀剂可以划分为两大类：散热和吸热类。



散热膨胀剂可以在膨胀阶段产生以氮为主的热量。

吸热膨胀剂则吸收热量，主要产生二氧化碳 (CO₂)。

膨胀剂产生的气体在熔化的聚合物母体内扩散，在材料内形成细胞，从而实现工件的均匀减轻。TEMAD ESPANSOR还可以改善模具的回吸和填充现象。在冲压阶段，由于模具未填满而容易产生回吸现象；因此冲压制成品会“中空”。为了解决此类问题，需要采用膨胀剂，释放模具内气体，压缩熔化材料，均匀促进其填充。此类母料的使用可以削弱制成品的机械特征。

PRODUCT DESCRIPTION: *TEMAD ESPANSOR has a strong expanding action. The blowing agents are used in the field of injection molding, extrusion of flexible film, extrusion of monofilaments, etc., and are aimed at reducing the weight of the product. Expanding agents are divided into the categories provided: Exothermic and Endothermic. The exothermic expanders generate heat and mainly nitrogen during the expansion phase. The blowing and thermal agents absorb heat and essentially donating carbon dioxide (CO₂). The gases developed by the expanding agents diffuse inside the melted polymeric matrix forming some inside the material which accepts the lightening of the piece at the same volume. TEMAD ESPANSOR also improves the suction and filling phenomena of the mold. Sucking is a phenomenon that occurs during the molding phase due to the incomplete filling of the mold; as a consequence the printed product appears "empty". To solve this type of problem, expanding agents are used which, by releasing gas inside the mold, compress the molten material, homogeneously favoring its filling. The use of these masters reduces the mechanical characteristics of the product.*

使用方式: TEMAD ESPANSOR使用如下：依据应用，使用1%至5%。作用温度 > 160°C。保存在干燥地点。

WAY OF USE: *TEMAD ESPANSOR should be used as follows: Use from 1% to 5% depending on the application. Temperature of action > 160 ° C. Keep in a cold and dry place.*





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