

# Grivory® HTV-5H1 nat

聚酰胺 6I/6T 共聚物  
EMS-GRIVORY

## Technical Data

### 总体

|                    |                                                                                               |                                                                                            |                               |
|--------------------|-----------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|-------------------------------|
| 材料状态               | • 已商用：当前有效                                                                                    |                                                                                            |                               |
| 资料 <sup>1</sup>    | • Technical Datasheet (English)<br>• Processing - Injection (German)                          |                                                                                            |                               |
| UL 黄卡 <sup>2</sup> | • E53898-243897                                                                               |                                                                                            |                               |
| 搜索 UL 黄卡           | • EMS-GRIVORY<br>• Grivory®                                                                   |                                                                                            |                               |
| 供货地区               | • 北美洲<br>• 非洲和中东                                                                              | • 南美洲<br>• 欧洲                                                                              | • 亚太地区<br>• 中美洲               |
| 填料/增强材料            | • 玻璃纤维增强材料, 50% 填料按重量                                                                         |                                                                                            |                               |
| 添加剂                | • 热稳定剂                                                                                        |                                                                                            |                               |
| 性能特点               | • 耐热性, 高                                                                                      | • 热稳定性                                                                                     |                               |
| 用途                 | • 电气/电子应用领域<br>• 动力/其它工具<br>• 工程配件<br>• 工业领域：                                                 | • 家用货品<br>• 气动应用<br>• 汽车领域的应用：<br>• 汽车内部零件                                                 | • 体育用品<br>• 消费品应用领域<br>• 液压应用 |
| RoHS 合规性           | • RoHS 合规                                                                                     |                                                                                            |                               |
| 外观                 | • 自然色                                                                                         |                                                                                            |                               |
| 形式                 | • 颗粒料                                                                                         |                                                                                            |                               |
| 加工方法               | • 注射成型                                                                                        |                                                                                            |                               |
| 多点数据               | • Isochronous Stress vs. Strain (ISO 11403-1)<br>• Isothermal Stress vs. Strain (ISO 11403-1) | • Secant Modulus vs. Strain (ISO 11403-1)<br>• Shear Modulus vs. Temperature (ISO 11403-1) |                               |

| 物理性能             | 干燥    | 调节后的  | 单位制               | 测试方法        |
|------------------|-------|-------|-------------------|-------------|
| 密度               | 1.65  | --    | g/cm <sup>3</sup> | ISO 1183    |
| 收缩率              |       |       |                   | ISO 294-4   |
| 横向流量             | 0.50  | --    | %                 |             |
| 流量               | 0.10  | --    | %                 |             |
| 吸水率              |       |       |                   | ISO 62      |
| 饱和, 23°C         | 3.0   | --    | %                 |             |
| 平衡, 23°C, 50% RH | 1.3   | --    | %                 |             |
| 机械性能             | 干燥    | 调节后的  | 单位制               | 测试方法        |
| 拉伸模量             | 18000 | 17500 | MPa               | ISO 527-2   |
| 拉伸应力 (断裂)        | 250   | 240   | MPa               | ISO 527-2   |
| 拉伸应变 (断裂)        | 2.0   | 2.0   | %                 | ISO 527-2   |
| 冲击性能             | 干燥    | 调节后的  | 单位制               | 测试方法        |
| 简支梁缺口冲击强度        |       |       |                   | ISO 179/1eA |
| -30°C            | 10    | 10    | kJ/m <sup>2</sup> |             |
| 23°C             | 11    | 11    | kJ/m <sup>2</sup> |             |
| 简支梁缺口冲击强度        |       |       |                   | ISO 179/1eU |
| -30°C            | 80    | 80    | kJ/m <sup>2</sup> |             |
| 23°C             | 80    | 80    | kJ/m <sup>2</sup> |             |
| 硬度               | 干燥    | 调节后的  | 单位制               | 测试方法        |
| 球压硬度             | 340   | 340   | MPa               | ISO 2039-1  |
| 热性能              | 干燥    | 调节后的  | 单位制               | 测试方法        |
| 热变形温度            |       |       |                   |             |
| 1.8 MPa, 未退火     | 285   | --    | °C                | ISO 75-2/A  |
| 8.0 MPa, 未退火     | 175   | --    | °C                | ISO 75-2/C  |

| 热性能               | 干燥                        | 调节后的    | 单位制    | 测试方法                 |
|-------------------|---------------------------|---------|--------|----------------------|
| 最高使用温度            |                           |         |        | Internal Method      |
| Long Term         | 150                       | --      | °C     |                      |
| Short Term        | 250                       | --      | °C     |                      |
| 熔融温度 <sup>4</sup> | 325                       | --      | °C     | ISO 11357-3          |
| 电气性能              | 干燥                        | 调节后的    | 单位制    | 测试方法                 |
| 表面电阻率             | --                        | 1.0E+12 | ohm    | IEC 60093            |
| 体积电阻率             | 1.0E+13                   | 1.0E+13 | ohm·cm | IEC 60093            |
| 耐电强度              | 35                        | 35      | kV/mm  | IEC 60243-1          |
| 漏电起痕指数            | --                        | 600     | V      | IEC 60112            |
| 可燃性               | 干燥                        | 调节后的    | 单位制    | 测试方法                 |
| 可燃性等级 (0.800 mm)  | HB                        | --      |        | IEC 60695-11-10, -20 |
| 补充信息              | 干燥                        | 调节后的    | 单位制    | 测试方法                 |
| ISO Type          | PA6T/6I, MH, 12-190, GF50 | --      |        | ISO 1874             |

备注

<sup>1</sup> 通过这些链接您能够访问供应商资料。我们尽量保证及时更新资料；不过您可以从供应商处了解最新资料。

<sup>2</sup> UL 黄卡含有 UL 验证的易燃性和电气特性。UL IDES 持续努力在 Prospector 中将黄卡链接至单个塑料材料，然而此列表可能未包括所有相应链接。重要的是，我们对 Prospector 中找到的这些黄卡和塑料材料之间的关联进行验证。如需完整的黄卡列表，请访问 UL 黄卡搜索。

<sup>3</sup> 一般属性：这些不能被视为规格。

<sup>4</sup> 10°C/min

## Grivory® HTV-5H1 nat

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### 购买地点

#### 供应商

Grivory® HTV-5H1 nat

#### EMS-GRIVORY

Sumter, SC USA

电话: 803-481-6171

Web: <http://www.emsgrivory.com/>

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Sumter, SC USA

电话: 803-481-6171

Web: <http://www.emsgrivory.com/>

#### 分销商

Grivory® HTV-5H1 nat

#### Entec Polymers

电话: 800-375-5440

Web: <http://www.entecpolymers.com/>

可用性: North America

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电话: 800-375-5440

Web: <http://www.entecpolymers.com/>

可用性: North America



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