

# RILSAMID®

## AMN BLACK P20 TLD

PA12-P, MHLR, 12-005

Rilsamid® AMN BLACK P20 TLD 수지 는 블랙 폴리아미드입니다. 이 등급은 가소화되었으며 사출 성형용으로 설계되었습니다.

| 물성들이                | 건조/응축       | 단위        | 시험규격            |
|---------------------|-------------|-----------|-----------------|
| <b>유변학적 특성</b>      |             |           |                 |
| 응용 부피 - 흐름 속도       | 44 / *      | cm³/10min | ISO 1133        |
| 온도                  | 235 / *     | °C        | -               |
|                     | 455 / *     | °F        | -               |
| 하중                  | 2.16 / *    | kg        | -               |
|                     | 4.76 / *    | lb        | -               |
| 성형 수축률, 평행          | 1.9 / *     | %         | ISO 294-4, 2577 |
| 성형 수축률, 수직          | 1.9 / *     | %         | ISO 294-4, 2577 |
| <b>기계적 특성</b>       |             |           |                 |
| 인장탄성률               | - / 550     | MPa       | ISO 527-1/-2    |
|                     | - / 79800   | psi       |                 |
| 항복강도                | - / 31      | MPa       | ISO 527-1/-2    |
|                     | - / 4500    | psi       |                 |
| 항복변형률               | - / 19      | %         | ISO 527-1/-2    |
| 파단시 평균신율            | - / >50     | %         | ISO 527-1/-2    |
| 차피 충격 강도, +23°C     | - / 휴식 없음   | kJ/m²     | ISO 179/1eU     |
| 차피 충격 강도, -30°C     | - / 휴식 없음   | kJ/m²     | ISO 179/1eU     |
| 차피 노치드 충격 강도, +23°C | - / 18      | kJ/m²     | ISO 179/1eA     |
|                     | - / 8.56    | ftlb/in²  |                 |
| 차피 노치드 충격 강도, -30°C | - / 4       | kJ/m²     | ISO 179/1eA     |
|                     | - / 1.9     | ftlb/in²  |                 |
| <b>열적 특성</b>        |             |           |                 |
| 녹는점, 10°C/min       | 174 / *     | °C        | ISO 11357-1/-3  |
| <b>기타 특성</b>        |             |           |                 |
| 밀도                  | 1020 / 1020 | kg/m³     | ISO 1183        |
|                     | 1.02 / 1.02 | g/cm³     |                 |

Processing conditions, Injection:

- Typical melt temperature (Min / Recommended / Max) : 250°C / 270°C / 290°C.
- Mold temperature : 20 - 40°C
- Drying time and temperature (only necessary for bags opened for more than two hours) : 4-6 hours at 80 - 90°C.

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Source: automatically generated TDS from Material Database on 20-02-2024

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| <b>인도 유형</b><br>펠렛 (입자,알갱이)                                                    |                                                                                                                                                                                                                                                                                              |
| <b>부가물</b><br>이형제, 가소제                                                         |                                                                                                                                                                                                                                                                                              |
| <b>특별 특성</b><br>열안정성, 가시광선 안정성                                                 |                                                                                                                                                                                                                                                                                              |
| <b>지역별 검색</b><br>북아메리카<br>, 유럽<br>, 아시아 태평양 지역, 남부 및 중앙 아메리카<br>, 동양 및 아프리카 근역 |                                                                                                                                                                                                                                                                                              |

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