

# RILSAMID®

## AMN BLACK P20 TLD

PA12-P, MHLR, 12-005

Rilsamid® AMN BLACK P20 TLD resin is a black colored polyamide. This grade is plasticized and designed for injection molding.

特性	乾燥/調湿	単位	テスト基準
レオロジー特性			
メルトボリュームレイト	44 / *	cm³/10min	ISO 1133
温度	235 / *	°C	-
	455 / *	°F	-
荷重	2.16 / *	kg	-
	4.76 / *	lb	-
成形収縮率, 平行	1.9 / *	%	ISO 294-4, 2577
成形収縮率, 直角	1.9 / *	%	ISO 294-4, 2577
機械的特性			
引張弾性率	- / 550	MPa	ISO 527-1/-2
	- / 79800	psi	
降伏応力	- / 31	MPa	ISO 527-1/-2
	- / 4500	psi	
降伏ひずみ	- / 19	%	ISO 527-1/-2
破壊呼びひずみ	- / >50	%	ISO 527-1/-2
シャルピー衝撃強さ, +23°C	- / 未破壊	kJ/m²	ISO 179/1eU
シャルピー衝撃強さ, -30°C	- / 未破壊	kJ/m²	ISO 179/1eU
ノッチ付きシャルピー衝撃強さ, +23°C	- / 18	kJ/m²	ISO 179/1eA
	- / 8.56	ftlb/in²	
ノッチ付きシャルピー衝撃強さ, -30°C	- / 4	kJ/m²	ISO 179/1eA
	- / 1.9	ftlb/in²	
熱的特性			
溶融温度, 10°C/min	174 / *	°C	ISO 11357-1/-3
その他の特性			
密度	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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納入形状 ペレット	
添加剤 離型剤, 可塑剤	
特殊な特性 熱安定化, 光安定化	
領域別の利用可能性 北アメリカ, ヨーロッパ, アジア/太平洋地域, 南・中央アメリカ, 近東/アフリカ	

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