RILSAMID®
ASR 13

ISO 16396 - PA12, CF15, M1GHL, C16-080
Rilsamid® ASR 13 resin is a carbon fiber reinforced polyamide.
This black colored grade is designed for injection moulding.

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	10 / *	cm³/10min	ISO 1133
温度	235 / *	°C	-
	455 / *	°F	
荷重	5 / *	kg	-
	11 / *	lb	
メルトフローレイト	≥ 10	g/10min	ASTM D1238
機械的特性			
引張弾性率	9600 / 9000	MPa	ISO 527-1/-2
	1.39E6 / 1.31E6	psi	
破壊応力	127 / 115	MPa	ISO 527-1/-2
	18400 / 16700	psi	
破壊ひずみ	- / 4	%	ISO 527-1/-2
シャルピー衝撃強さ, +23°C	45 / 46	kJ/m²	ISO 179/1eU
	21.4 / 21.9	ftlb/in²	
シャルピー衝撃強さ, -30°C	47 / 48	kJ/m²	ISO 179/1eU
	22.4 / 22.8	ftlb/in²	
ノッチ付きシャルピー衝撃強さ, +23°C	11 / 11	kJ/m²	ISO 179/1eA
	5.23 / 5.23	ftlb/in²	
ノッチ付きシャルピー衝撃強さ, -30°C	8 / 7	kJ/m²	ISO 179/1eA
	3.81 / 3.33	ftlb/in²	
熱的特性			
溶融温度, 10°C/min	178 / *	°C	ISO 11357-1/-3
空気中の熱分解	223	°C	1% wt. loss
	434	°F	
窒素中での熱分解	223	°C	1% wt. loss
	433	°F	
電気的特性.			
表面抵抗率	* / 100000	Ohm	IEC 62631-3-2
その他の特性.			

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

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吸水率, 23°C, immersion, equilibrium	1.5 / *	%	ISO 62
吸湿率	0.6 / *	%	ISO 62
密度	1080 / -	kg/m³	ISO 1183
	1.08 / -	g/cm³	

Packaging :
This grade is delivered dried in sealed packaging (25 kg bags / 450 kg rigid containers) ready to be processed
Shelf life :
Two years from the delivery.
For any use above this limit please refer to our technical services.

Processing conditions:
- Typical melt temperature (Min / Recommended / Max) : 240°C / 260°C / 280°C.
- Typical mold temperature : 40 – 90°C.
- Drying time and temperature (only necessary for bags opened for more than two hours) : 4-8 hours at 80-90°C.

成形加工法
射出成形

納入形状
ペレット

特殊な特性
導電, 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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