

TECHNICAL DATA SHEET

RILSAN® BESVO A MED

POLYAMIDE 11 PELLET

RILSAN® BESVO A FDA is a polyamide 11 resin. It is produced from a renewable & sustainable source (castor oil). This natural grade is designed for tube extrusion. It contains a negligible amount of oligomers and is approved in medical applications. Upon request, letters regarding USP Class VI compliance can be provided.

Type : ISO 16396 - PA11, E, C22-010

DESIGNATION

PA11

MAIN APPLICATIONS

- 건강 - 재사용 - 기타
- 건강 - 소모품 - 기타
- 건강 - 소모품 - 카테터

배송 방식 (문의)

- 파렛트

가공 공정 (문의 - 또는 변형 공정)

- 압출 - 일반
- 튜브 압출

RHEOLOGICAL PROPERTIES

속성	값	UNIT	테스트 표준
Shrinkage, Parallel (t+24h)	1.1	%	ISO 294-4
Shrinkage, Normal (t+24h)	1.1	%	ISO 294-4
Melt volume flow rate (MVR), 235°C / 10kg (455°F / 22 lb)	6	cm³/10min	ISO 1133

MECHANICAL PROPERTIES

속성	DRY / COND VALUE*	UNIT	테스트 표준
Flexural modulus, 23°C (73°F)	- / 1100	MPa	ISO 178
Tensile modulus, 23°C (73°F), 1 mm/min	- / 1180	MPa	ISO 527-1/-2
Yield stress, 23°C (73°F), 50 mm/min	- / 36	MPa	ISO 527-1/-2
Yield strain, 23°C (73°F), 50 mm/min	- / 5	%	ISO 527-1/-2
Nominal strain at break, 23°C (73°F), 50 mm/min	- / > 50	%	ISO 527-1/-2
Charpy notched impact strength, 23°C (73°F)	- / 15	kJ/m²	ISO 179 1eA
Charpy notched impact strength, -30°C (-22°F)	- / 13	kJ/m²	ISO 179 1eA
Charpy unnotched impact strength, 23°C (73°F)	- / No Break		ISO 179 1eU
Charpy unnotched impact strength, -30°C (-22°F)	- / No Break		ISO 179 1eU
Hardness, Shore D, 15 s	- / 71		ISO 868

*DRY: Dry As Molded (DAM) if pellet / Dry if powder.
COND: Conditionned.

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속성	값	UNIT	테스트 표준
Melting temperature, 10°C/min	186	°C	ISO 11357-1/-3

THERMAL PROPERTIES ELECTRICAL PROPERTIES

속성	DRY / COND VALUE*	UNIT	테스트 표준
Dielectric stress, 23°C (73°F)	- / 30		IEC 60243-1

*DRY: Dry As Molded (DAM) if pellet / Dry if powder.
COND: Conditionned.

OTHER PROPERTIES

속성	값	UNIT	테스트 표준
Water absorption, 23°C (73°F), immersion, equilibrium	1.9	%	ISO 62
Specific gravity, 23°C (73°F)	1.03	g/cm³	ISO 1183-1

포장 (문의 - 순서 이상)

This grade is delivered dried in sealed packaging ready to be processed. Available packaging:

- 25 kg / 55 lb 포대

보관수명 (문의 - 순서 이상)

적절히 보관할 시(밀봉 백, 적정 습도, UV 차단 및 온도) 인도일로부터 2년. 이 기한을 초과하는 일체의 사용에 대해서는 기술 서비스를 참조하십시오.

PROCESSING CONDITIONS:

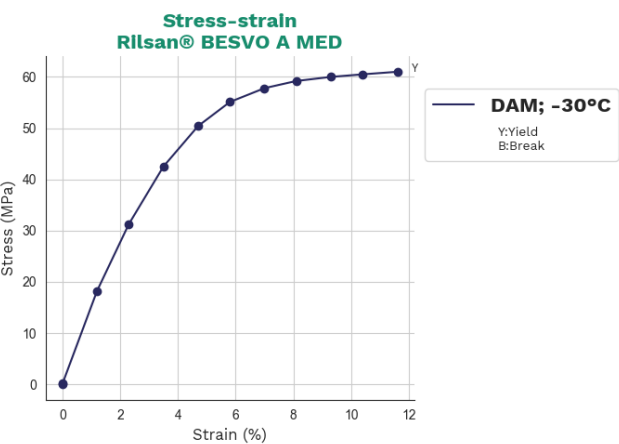
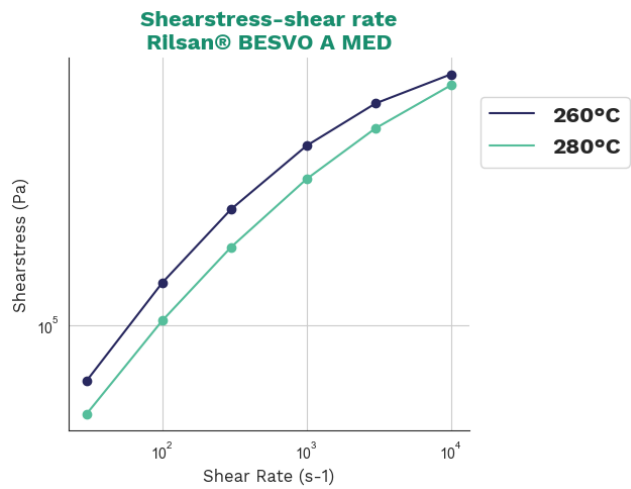
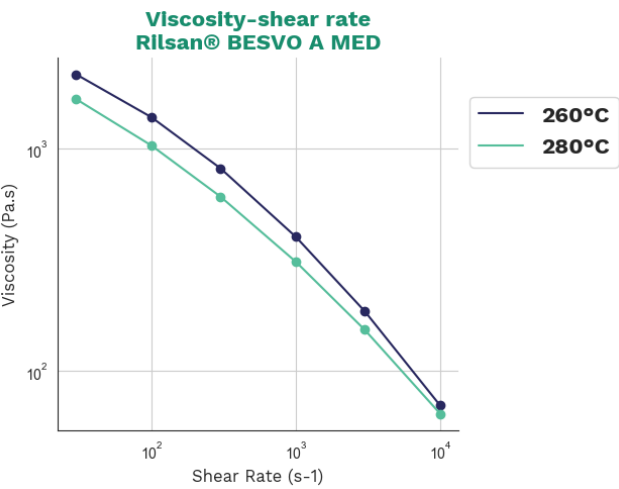
- 일반적인 용융 온도(최소/권장/최대) - 사출 성형: 230°C / 250°C / 270°C (445°F / 480°F / 520°F)
- 일반적인 금형 온도 - 사출 성형: 20-60°C (70-140°F)
- 건조 시간 및 온도: 80-90°C (175-195°F) / 4-6시간

특징

- 바이오 기반
- 낮은 올리고머

RILSAN® BESVO A MED

DIAGRAMS



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