

TECHNICAL DATA SHEET
PEBAX® 4033 SA 01

POLYETHER BLOCK AMIDE PELLET

PEBAX® 4033 SA 01 is a polyether block amide, a thermoplastic elastomer made of flexible polyether and rigid polyamide. This SA grade offers the highest quality. It is used in sport and consumer applications, especially when food contact compliance is requested.

DESIGNATION

PEBA

MAIN APPLICATIONS

- 신발류 - 밑창/구성품
- 산업 - 유통

배송 방식 (문의)

- 파렛트

가공 공정 (문의 - 또는 변형 공정)

- 압출 - 일반
- 필름 압출
- 사출 성형
- 튜브 압출

RHEOLOGICAL PROPERTIES

속성	값	UNIT	테스트 표준
Shrinkage, Parallel (t+24h)	0.6	%	ISO 294-4
Shrinkage, Normal (t+24h)	1.3	%	ISO 294-4

MECHANICAL PROPERTIES

속성	DRY / COND VALUE*	UNIT	테스트 표준
Hardness, Shore A, 15 s	- / 89		ISO 868
Hardness, Shore D, 15 s	- / 35		ISO 868
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
Charpy notched impact strength, 23°C (73°F)	No Break / No Break		ISO 179 1eA
Charpy notched impact strength, -30°C (-22°F)	No Break / No Break		ISO 179 1eA
Stress at 50% strain, 23°C (73°F), 50 mm/min	9 / 9	MPa	ISO 527-1/-2
Tensile modulus, 23°C (73°F), 1 mm/min	73 / 71	MPa	ISO 527-1/-2
Flexural modulus, 23°C (73°F)	- / 77	MPa	ISO 178
Stress at break, 23°C (73°F), 50 mm/min	- / 40	MPa	ISO 527-1/-2
Nominal strain at break, 23°C (73°F), 50 mm/min	> 450 / > 450	%	ISO 527-1/-2
	48 / -	mm³	ISO 4649

*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	160	°C	ISO 11357-1/-3
Glass transition temperature, 10°C/min	-65	°C	ISO 11357-1/-2

OTHER PROPERTIES

속성	값	UNIT	테스트 표준
Moisture absorption, At equilibrium at 23°C (73°F) / 50%HR	0.5	%	ISO 62
Water absorption, 23°C (73°F), immersion, equilibrium	1.2	%	ISO 62
Specific gravity, 23°C (73°F)	1	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: 210°C / 240°C / 270°C (410°F / 430°F / 520°F)
- 일반적인 금형 온도 - 사출 성형: 10-30°C (50-90°F)
- 건조 시간 및 온도: 60-70°C (140-160°F) / 4-8시간

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