

TECHNICAL DATA SHEET
PEBAX® 6333 SP 01

POLYETHER BLOCK AMIDE PELLET

PEBAX® 6333 SP 01 is a polyether block amide, a thermoplastic elastomer made of flexible polyether and rigid polyamide. This SP grade is heat & UV stabilized. It is used in sport and consumer applications.

TYPE

PEBA

MAIN APPLICATIONS

- 동계 스포츠 - 스키 부츠
- 신발류 - 밀창/구성품

배송 방식

- 펠릿

가공 공정

- 압출 - 일반
- 필름 압출
- 사출성형
- 튜브 압출

첨가제

- 열 안정화
- 빛 안정제

RHEOLOGICAL PROPERTIES

속성	값	UNIT	테스트 표준
Shrinkage, Parallel (t+24h)	1.1	%	ISO 294-4
Shrinkage, Normal (t+24h)	1.2	%	ISO 294-4

MECHANICAL PROPERTIES

속성	DRY / COND VALUE*	UNIT	테스트 표준
Compression set	47 / -	%	ISO 815
Hardness, Shore D, 15 s	- / 58		ISO 868
Charpy unnotched impact strength, 23°C (73°F)	No Break / No Break		ISO 179 1eU
Charpy unnotched impact strength, -30°C (-22°F)	No Break / 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)	- / 20	kJ/m2	ISO 179 1eA
Tensile modulus, 23°C (73°F), 1 mm/min	307 / 240	MPa	ISO 527-1/-2
Yield strain, 23°C (73°F), 50 mm/min	22 / 22	%	ISO 527-1/-2
Yield stress, 23°C (73°F), 50 mm/min	19 / 18	MPa	ISO 527-1/-2
Nominal strain at break, 23°C (73°F), 50 mm/min	> 350 / > 350	%	ISO 527-1/-2
Flexural modulus, 23°C (73°F)	- / 285	MPa	ISO 178
Stress at break, 23°C (73°F), 50 mm/min	- / 53	MPa	ISO 527-1/-2
	55 / -	mm³	ISO 4649

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

속성	값	UNIT	테스트 표준
Vicat softening temperature, 50N at 50°C/h	85	°C	ISO 306
Heat deflection temperature, 0.45 MPa	90	°C	ISO 75-1/-2
Melting temperature, 10°C/min	169	°C	ISO 11357-1/-3

THERMAL PROPERTIES ELECTRICAL PROPERTIES

속성	DRY / COND VALUE*	UNIT	테스트 표준
Surface resistivity, 23°C (73°F)	- / 1.0E+13	ohm/sq	IEC 62631-3-2
Volumic (transversal) resistivity, 23°C (73°F)	- / 9.0E+11	ohm/m	IEC 62631-3-1
Comparative tracking index, 23°C (73°F)	- / 600		IEC 60112
Dielectric stress, 23°C (73°F)	- / 42.5		IEC 60243-1
Relative permittivity, 100Hz	- / 9		
Relative permittivity, 1Mhz	- / 4		
Dissipation factor, 100Hz	- / 1440		
Dissipation factor, 1Mhz	- / 1440		

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

OTHER PROPERTIES

속성	값	UNIT	테스트 표준
Moisture absorption, At equilibrium at 23°C (73°F) / 50%HR	0.7	%	ISO 62
Water absorption, 23°C (73°F), immersion, equilibrium	1.1	%	ISO 62
Specific gravity, 23°C (73°F)	1.01	g/cm³	ISO 1183-1

포장

Available packaging:

- 20 kg / 44 lb 가방
- 25 kg / 55 lb 가방

보관수명

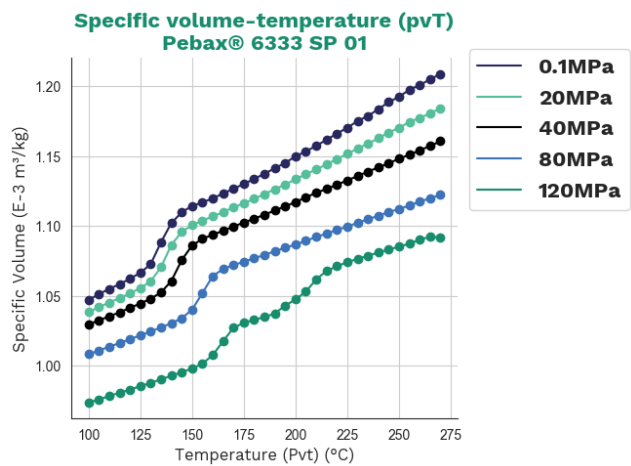
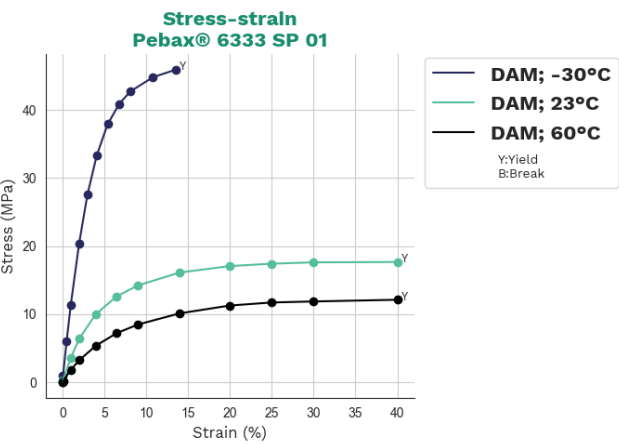
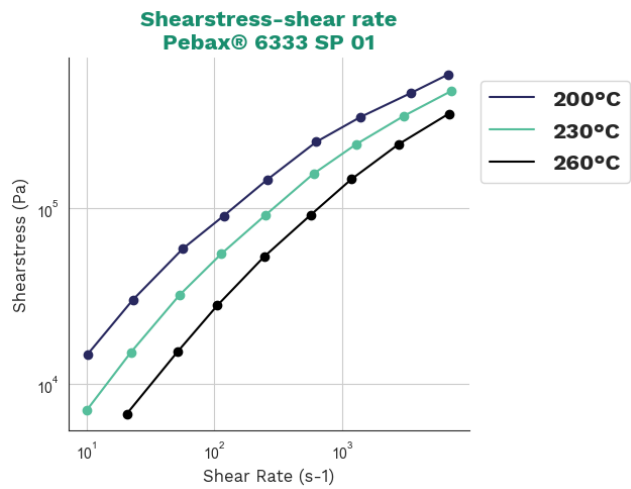
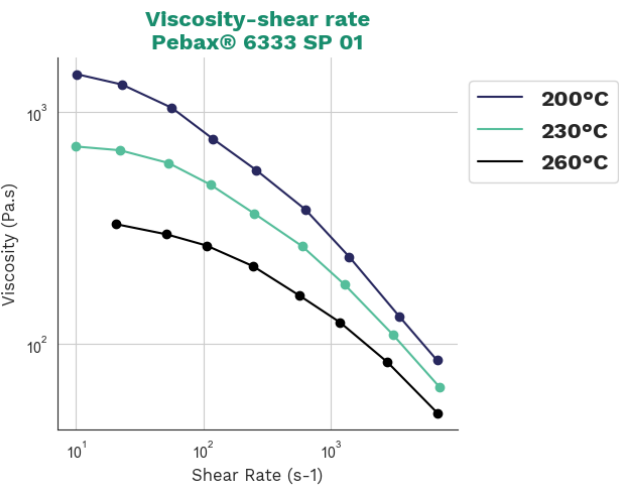
납품일로부터 2년 후, 적절히 보관될 때 (밀봉 봉지, 적절한 습도, 자외선 차단 및 온도). 이 한도를 초과하는 모든 사용에 대해서는 기술 서비스팀에 문의하십시오.

PROCESSING CONDITIONS:

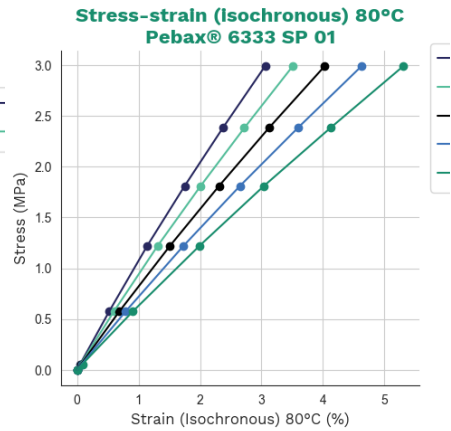
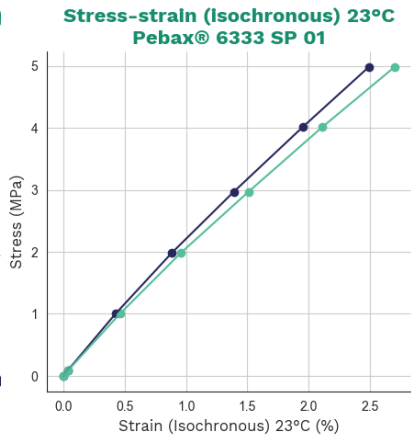
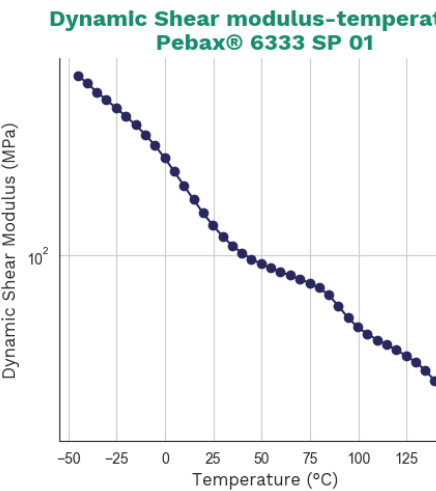
- 일반적인 용융 온도(최소/권장/최대) - 사출 성형: 230°C / 260°C / 290°C (445°F / 500°F / 555°F)
- 일반적인 급형 온도 - 사출 성형: 20-60°C (70-140°F)
- 건조 시간 및 온도: 65-75°C (150-165°F) / 4-6 시간

PEBAX® 6333 SP 01

DIAGRAMS



PEBAX® 6333 SP 01



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