

TECHNICAL DATA SHEET
PEBAX® MH 1657

POLYETHER BLOCK AMIDE PELLET

PEBAX® MH 1657 is a polyether block amide, a thermoplastic elastomer made of flexible polyether and rigid polyamide. This hydrophilic grade, when extruded into either a thin film or laminated on to a substrate, offers excellent permeability to moisture vapor while remaining waterproof. PEBAX® MH 1657 is an inherently dissipative polymer and can be dry blended or compounded with an isolative polymer to lower the surface resistivity of the final part.

TYPE

PEBA

MAIN APPLICATIONS

- 필름
- 대전 방지

배송 방식

- 펠릿

가공 공정

- 사출성형
- 열성 성형

RHEOLOGICAL PROPERTIES

속성	값	UNIT	테스트 표준
Shrinkage, Parallel (t+24h)	0.7	%	ISO 294-4
Shrinkage, Normal (t+24h)	0.7	%	ISO 294-4

MECHANICAL PROPERTIES

속성	DRY / COND VALUE*	UNIT	테스트 표준
Hardness, Shore D, 15 s	- / 40		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
Stress at 50% strain, 23°C (73°F), 50 mm/min	13 / 12	MPa	ISO 527-1/-2
Tensile modulus, 23°C (73°F), 1 mm/min	90 / 80	MPa	ISO 527-1/-2
Charpy notched impact strength, 23°C (73°F)	No Break / No Break		ISO 179 1eA
Flexural modulus, 23°C (73°F)	- / 80	MPa	ISO 178

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

속성	값	UNIT	테스트 표준
Glass transition temperature, 10°C/min	-40	°C	ISO 11357-1/-2
Melting temperature, 10°C/min	204	°C	ISO 11357-1/-3

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THERMAL PROPERTIES ELECTRICAL PROPERTIES

속성	DRY / COND VALUE*	UNIT	테스트 표준
Surface resistivity, 23°C (73°F)	- / 1.5E+9	ohm/sq	IEC 62631-3-2
Volumic (transversal) resistivity, 23°C (73°F)	- / 2.0E+7	ohm/m	IEC 62631-3-1

*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	4.5	%	ISO 62
Water absorption, 23°C (73°F), immersion, equilibrium	120	%	ISO 62
Specific gravity, 23°C (73°F)	1.14	g/cm³	ISO 1183-1

포장

- Available packaging:
- 25 kg / 55 lb 가방
 - 550 kg 강화된 용기

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: 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) / 4-8 시간

특징

- 반전기적

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