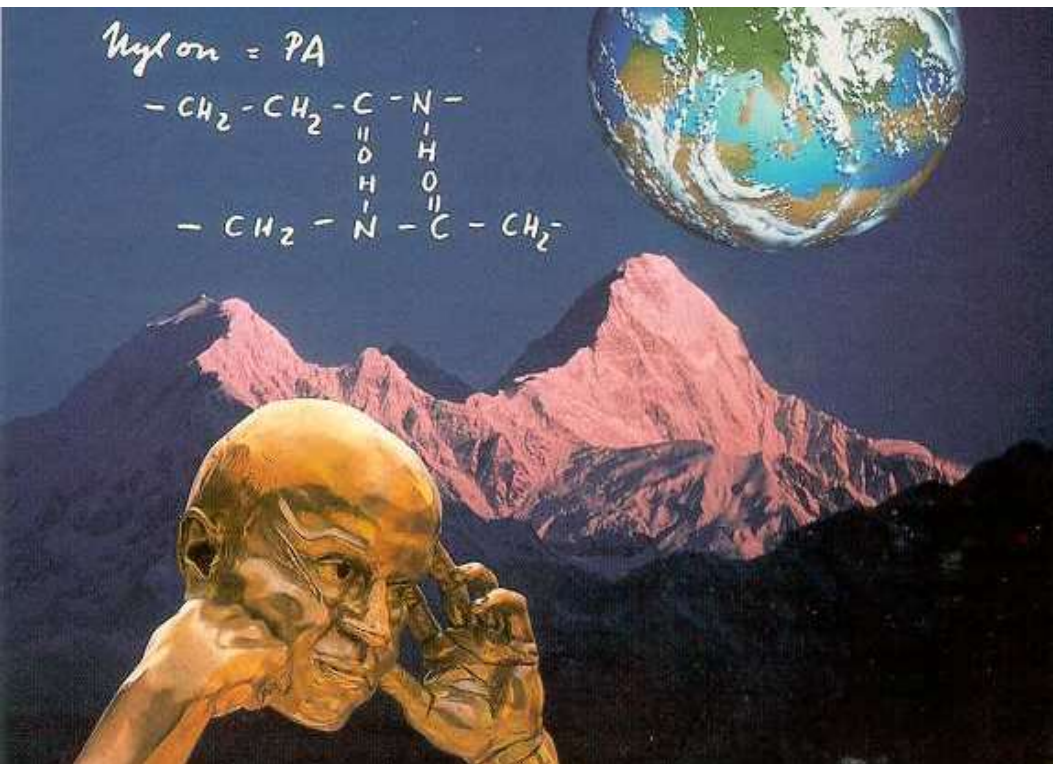




EMS – Polyamides for Packaging Solutions

EMS
EMS-GRIVORY

EMS
EMS-GRIVORY

Overview – Grilon Masterbatches

Masterbatch	Base	T _m (°C)	Approvals	Application	Suitability	Anti-Block	Slip	Nucleation	Remark
MB 3361 FS Natural	PA 6	222	Food contact	Film extr.	PA 6, G 21	✓	✓	✓	
MB XE 3786 Natural	PA 6	220	Food contact	Film extr.	PA 6>220 °C, G 21	✓		✓	
MB XE 3787 Natural	PA 6	222	Food contact				✓		
MB 4168 AHX Natural	PA 6	220	-	High T (°C), Film extr., IM	PA 6, PA 66, CoPA6/66				Heat
MB 3427 AUV Natural	PA 6	220	-	Weather, Film extr., IM	PA 6, PA 66, CoPA 6/66				UV
MB FE 10486 Natural	PA 6	220	Food contact, ADS* free	Film extr.	PA 6, PA 66	✓	✓		ADS* free
MB XE 12410 Natural	PA 6	222	ADS* free	Film extr.	Grilon F, G 21		✓		ADS* free
C MB 8361 FS Natural	CoPA 6/12	200	Food contact	Film extr.	PA types > 220 °C	✓	✓		
C MB 7361 Natural	CoPA 6/12	135	Food contact	Film extr.	Grilon F, Grilon FG, Grilamid L	✓	✓	✓	
MB FE 10487 Natural 8041	CoPA 6/12	135	Food contact, ADS* free	Film extr.	PA types > 140 °C	✓	✓	✓	ADS* free

*animal derived substances

Grilon C – CoPA 6/12

Product	Characteristics	Description / Typical Applications
Grilon CR 9 HV	CoPA 6/12 $T_m = 200^{\circ}\text{C}$ E-M. = 550 MPa	- Asymmetric barrier film structures, - Low curling blend partner for Grivory HB
Grilon CR 8	CoPA 6/12 $T_m = 190^{\circ}\text{C}$ E-M. = 500 MPa	Refrigerated and maturing cheese due to barrier ratio O₂ / CO₂ (1: 9)
Grilon C XE 10146	CoPA 6/12 $T_m = 155^{\circ}\text{C}$ E-M. = 400 MPa	Blend partner for EVOH, 10% till 30% to improve mechanical strength, orientation and deep draw performance
Grilon CF 6 S	CoPA 6/12 $T_m = 130^{\circ}\text{C}$ E-M. = 400 MPa	- Very high flexibility, toughness and shrink - Blend partner in sausage casings - Shrink bags especially for meat with sharp bones

Grilon BM – Block Multi PA

Product	Characteristics	Description / Typical Applications
Grilon BM 20 SBG	PA 66 / 610 $T_m = 200^{\circ}\text{C}$ E-M. = 650 MPa	▪ Lactam free ▪ Good combination of mechanical properties (shrink ratio and force) ▪ Shrink film, medical deep draw packaging ▪ Low crystallinity for orientation process ▪ High toughness combined with gas barrier properties
Grilon BM 16	PA 66 / 69 / 610 / 6I $T_m = 164^{\circ}\text{C}$ E-M. = 500 MPa	▪ Lactam free ▪ Good combination of mechanical properties (shrink ratio and force) ▪ Low crystallinity for orientation process ▪ High toughness combined with gas barrier properties ▪ Shrink films, sealing films, medical deep draw packaging