

CENTROMID 6 E FG / PA 6 E FG

Product information

Trade name:	CENTROMID 6 E FG
Abbreviation ISO 1043:	PA 6 E FG
Designation:	Polyamide 6 E Food Grade, according to EU-Regulation 10/2011
Type of polymer:	Thermoplastic
Food compliance BfR:	Yes
Food compliance FDA:	Yes
Colour:	Natural

Short description

PA 6 E FG is a high crystalline thermoplastic, which is comprised of one basic unit. The number 6 indicates the number of C-atoms of the basic molecular structure. PA 6 E FG possesses high toughness and heat stability. A high elastic-module is reached through hydrogen binding. PA 6 E FG is applicable within a temperature range of -40 to +160 °C. PA 6 E FG-parts are often used as bearings, gear wheels, rollers or seals. The EU-VO 10/2011-/FDA approval assures physiological safety. PA 6 E FG is available in the colour natural.

Properties




➤ Density:	1.14 g/cm ³	ISO 1183
➤ Tensile modulus of elasticity:	3,250 MPa	ISO 527-2
➤ Specific surface resistance:	10 ¹³ Ohm	IEC 60093
➤ Temperature for usage in air (max. short term):	160 °C	

Field of use

Field of application

➤ Automotive industry	➤ Flanges
➤ Electrical industry	➤ Sealing rings
➤ Mechanical engineering	➤ Sleeves
➤ Medical technology	
➤ Plastics industry	
➤ More industries	

Delivery program

 Rods	5 – 200 mm
 Plates / Sheets / Films	0.3 – 50 mm
 Tubes	on request

Stock lengths:	1,000 mm 3,000 mm
Width:	500 mm 610 mm 1,000 mm 1,220 mm
Tolerance length:	0% to +3%
Tolerance width:	+1% to +4%

Additional dimensions available on request.