

Celanese PA Portfolio

CELANYL
Technical
PA 6/PA 6.6

CELANYL
Special
PA 6/PA 6.6

CELANYL XS
Partially
aromatic PA

CELANYL XT
PPA

FRIANYL®
FR
PA 6/PA 6.6

FRIANYL® XT
FR
PPA

ECOMID®
Recycled
PA

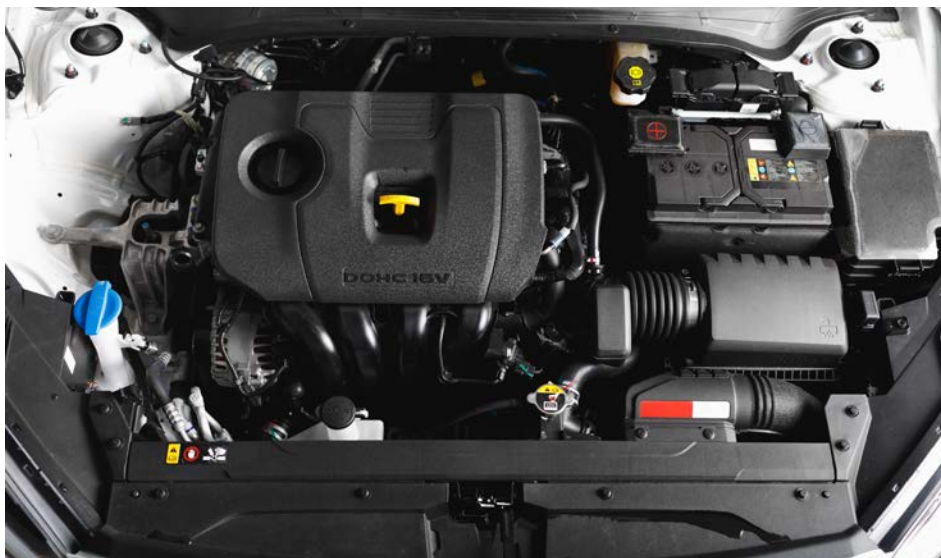
CELANYL formely NILAMID (Technical PA 6/PA 6.6)

Properties

- Excellent stiffness and tensile strength
- Very low warpage
- Very good creep resistance
- Excellent surface quality
- Wide range of colors

Applications

- Connectors
- Fasteners
- Gearbox
- Pedals



Wide range of colors and

Fillers Up to 60 %

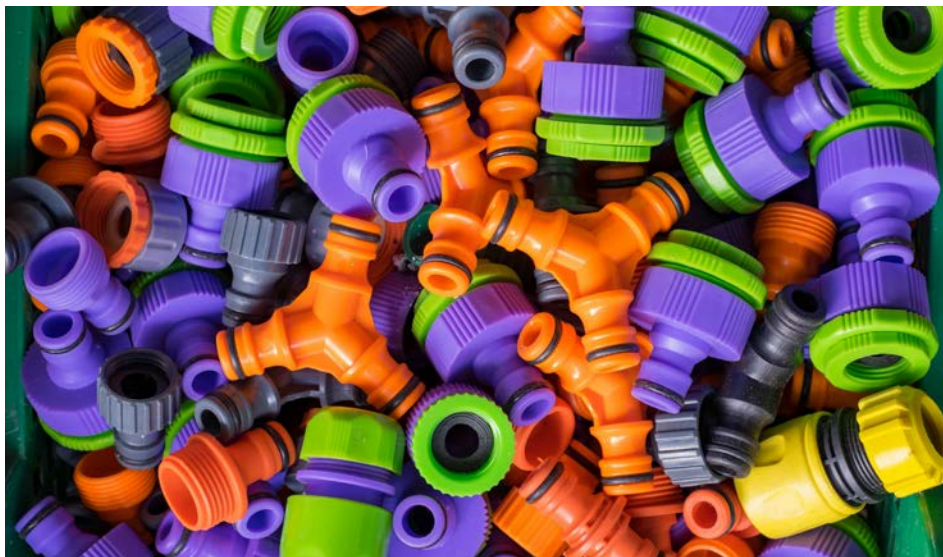
CELANYL formerly NILAMID (Special PA 6/PA 6.6)

Properties

- Tribological products for low wear and friction
- Electrically conductive and dissipative
- High mechanical strength
- Water and food contact compliancy

Applications

- Bushing, bearings, chains and belts
- Cable carrier
- Water valves
- Hydraulic fittings



Tribological polyamide solutions for

Reduced Slip and Wear

CELANYL XS formely NILAMID (Partially Aromatic PA)

Properties

- Metal replacement
- High stiffness and strength
- Low warpage
- Good creep resistance
- Excellent surface finish
- High dimensional stability
- Environmentally stable

Applications

- Fan wheel for systems
- Water meter (cold water)
- Structural parts



High performance up to 100 °C

Metal Replacement

NILAMID XT formely NILAMID (PPA)

Properties

- Superior resistance to high temperatures
- Metal replacement
- High stiffness and strength at elevated temperatures
- High dimensional stability
- Excellent creep resistance
- Resistance to chemicals and hydrolysis

Applications

- Connecting plugs
- Brakes and clutches
- Connectors
- Housings



High performance up to 140 °C

Metal Replacement

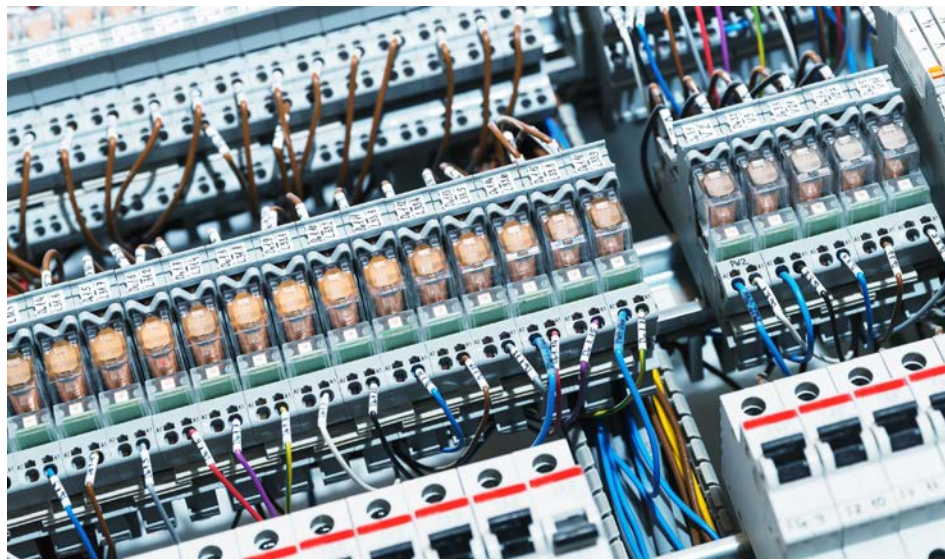
FRIANYL[®] (Flame-retardant PA 6/PA 6.6)

Properties

- Multiple FR grades available
- Halogen and red phosphorous-free
- Wide range of colors
- UL listed and VDE certified

Applications

- Li-Ion cells, housings and connectors
- Parts inside battery box, cable glands
- General Electrical & Electronics (E & E)



Wide product range with

V0 UL Listings

FRIANYL[®] XT (Flame-retardant PPA)

Properties

- V0 rating at 0.4 mm according to the UL 94 flammability standard
- High short-term temperature resistance
- High stiffness and strength at elevated temperatures
- High dimensional stability
- Excellent creep resistance
- Resistance to chemicals and hydrolysis

Applications

- Circuit breaker parts
- Component clamps
- Industrial plugs and sockets



Flame retardant PPA with maximum service temperature

UL RTI Up to 140 °C

ECOMID[®] (Recycled PA)

Properties

- High stiffness and strength
- Heat and creep resistance
- Narrow spec and consistent quality
- UL listed grades available
- Compliant with RoHS norms

Applications

- Air vent vanes
- Fans and housings
- Cable ducts
- Shift module
- Engine components



High performance with

Post-industrial Recyclate