

ERTALON®/NYLATRON® POLYAMIDE (PA)

Within the polyamides, commonly referred to as “nylons”, we distinguish different types. The most important ones are: PA 6, PA 66, PA 11 and PA 12. The differences in physical properties which exist between these types are mainly determined by the composition and the structure of their molecular chains.

Challenges: Special wine-grape harvesting machines shake the grapes from the vines. The grapes fall down and are collected in baskets fixed to a rotating chain which transports them to a large container at the back of the machine.

Solution: Plastic shaking rods made from ERTALON 66 SA are used to remove the grapes from the vines.

Benefits: ERTALON 66 SA is kind towards the grapevines. It offers excellent fatigue resistance combined with high mechanical strength and excellent wear and abrasion resistance.

shaking rods



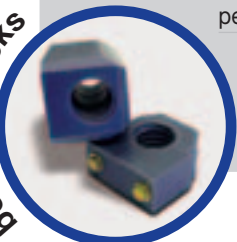
< wine-grape harvester

Challenges: Trailers that deliver new automobiles to dealerships carry significant loads. The drive mechanism that raises/lowers the expensive cargo needed costly and frequent lubrication and regular repair.

Solution: Easily machined parts made from the extreme wear resistant NYLATRON 703 XL.

Benefits: NYLATRON 703 XL excels in critical applications with the added benefit of “stick-slip” free performance, eliminating chatter and the subsequent loss of precise control.

bearing blocks



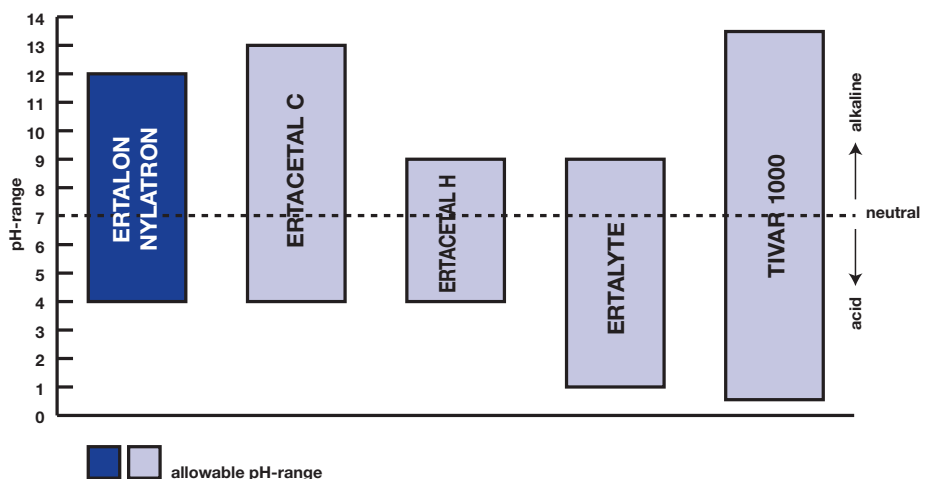
MAIN CHARACTERISTICS

- High mechanical strength, stiffness, hardness and toughness
- Good fatigue resistance
- High mechanical damping ability
- Good sliding properties
- Excellent wear resistance
- Good electrical insulating properties
- Good resistance to high energy radiation (gamma- and X-rays)
- Good machinability

APPLICATIONS

Sleeve and slide bearings, wear pads, support and guide wheels, conveyor rollers, tension rollers, sleeves for wheels and rollers, pulleys and pulley-linings, cams, buffer blocks, hammer heads, scrapers, gear wheels, sprockets, seal-rings, feed screws, star wheels, cutting and chopping boards, insulators,

Fig. 1 CHEMICAL RESISTANCE AT 23°C



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