

Material Solutions for Construction & Heavy Equipment

Quadrant EPP's materials produce tough, strong, resilient and highly wear-resistant parts that are cost-effective alternatives to cast iron and steel for many construction and heavy machinery applications. In addition, Quadrant EPP provides Monocast grades in standard or custom formulations, including Monocast® 6PLA, MC 901, LFX, NSM, GSM and GSM 30P.

Customers can choose from a selection of standard formulations, as well as from custom-formulated grades for targeted and even extreme applications.



STANDARD GRADES: FOR EXTREME PERFORMANCE

NYLATRON® 703 XL

This high performance cast nylon 6 bearing grade provides an even better wear resistance than NYLATRON® NSM, combined with superior pressure-velocity capabilities and an industry first: a near zero level of “stick-slip”.

The elimination of stick-slip, mostly associated with chatter or squeaking, provides an extraordinary amount of motion control for high-precision applications.

ERTALYTE® TX

Polyethylene terephthalate (PET) compound incorporating a solid lubricant to yield a premium bearing grade with outstanding wear resistance, a low coefficient of friction and high pressure-velocity capabilities.

General remark: Quadrant EPP offers a broad range of materials for specific use and specific needs. Additional information is available on request or on our website www.quadrantplastics.com.

STANDARD GRADES: BALANCED PERFORMANCE FOR TARGETED APPLICATIONS

ERTALON® 6 PLA and ERTALON® 6 SA

General engineering nylon 6 grades combining good mechanical strength, stiffness, toughness, mechanical damping properties and wear resistance.

NYLATRON® MC 901

Modified cast Nylon 6 grade exhibiting higher toughness, flexibility and fatigue resistance.

ERTALON® 6 XAU+

Heat stabilised cast Nylon 6 offering superior heat ageing performance in air.

ERTALON® LFX

Internally lubricated cast Nylon 6 providing excellent wear resistance.

NYLATRON® GSM

Molybdenum disulphide-filled material with enhanced bearing and wear behaviour as well as good impact and fatigue resistance.

NYLATRON® NSM

Cast nylon 6 formulation with lubricant additives that provide excellent frictional properties and wear resistance. Pressure-velocity capabilities up to five times higher than conventional cast Nylons.

TIVAR® DS

An ultra high molecular weight polyethylene grade (PE-UHMW) with built-in lubrication for superior wear and abrasion resistance.

TIVAR® TECH

This PE-UHMW grade with extremely high degree of polymerisation contains molybdenum disulphide, resulting in a material with improved wear resistance and sliding properties.

TIVAR® Ceram P

TIVAR® Ceram P is a wear improved PE-UHMW material with incorporated micro glass beads.