

Some common applications for plastics in specific industries include:

FOOD & BEVERAGE

<u>Equipment</u>	<u>Materials</u>	<u>Advantages</u>
Belt guides Feed screws Star wheels Conveyor wheels Wear strips Protection rails Bottle plates Chain guides Guide rails Glue plate surfaces Bin liners Mixer liners	UHMW Acetal Nylon HDPE Polypropelene	Self lubricating "Soft" handling FDA&USDA approval NSF approved Low temperature resistance Noise absorption Low coefficient of friction Corrosion resistance Abrasion resistance

FOUNDRIES & STEEL MILLS

<u>Equipment</u>	<u>Materials</u>	<u>Advantages</u>
Mold forms Saddle blocks Squeeze Boards Guide boards Sand muller liners Slitting table tops Tub liners Roll drives Sand handling & storage Roll racks	UHMW HDPE Polyurethane Nylon	Self lubricating Low coefficient of friction Noise deadening Impact resistance Non-marking Lightweight

CONVEYORS

<u>Equipment</u>	<u>Materials</u>	<u>Advantages</u>
Chain guides Feed screws Sprockets Carton guides Conveyor pallets (work platforms) Bearings Self lube rollers & wheels Pillow blocks	UHMW PET Acetal Nylon	Low coefficient of friction Noise deadening Self lubricating Good wear resistance Low operating temps Non-stick Lightweight

TRANSPORTATION

<u>Equipment</u>	<u>Materials</u>	<u>Advantages</u>
Truck liners Salt spreader pts Seats Fifth wheel liners Tandem axle slides Kick plates Snow plow mold boards Dock bumpers Rail car liners Tractor hitch pts Rail car cplr pts	UHMW Nylon Kydex Acetal	Low coefficient of friction Good abrasion resistance Non-stick Good stiffness & formability Good impact resistance Low maintenance Good cold weather performance

WASTE WATER

<u>Equipment</u>	<u>Materials</u>	<u>Advantages</u>
Wear strips Splash plates Sprockets Skimmers Baffles Bearings Trough liners Wear shoes Chain guides	UHMW Nylon Polyurethane	Low maintenance Low water absorption Increased flow rates Good impact resistance Corrosion resistance Reduced power requirements Cold weather resistance Good abrasion resistance

ACRICULTURAL PRODUCTS

<u>Equipment</u>	<u>Materials</u>	<u>Advantages</u>
Silo liners Chain tensioners Conveyor liners Chute liners Drag flights Flow guides Skid plates Pen liners Plow mold board covers Wiper blades Sprockets	UHMW Nylon Polyurethane Acetal HDPE	Non-stick surfaces Self lubricating Wear resistance Low operating temps Corrosion resistance Impact resistance Extended machine life Low maintenance costs