

# Material Quick Reference

## COUPLER, ADAPTERS AND FITTINGS

### Nylon

- Good all around/all purpose material, strong.
- Good chemical resistance and excellent mechanical properties.
- Stronger than polypropylene.
- Resists cross threading and most hydrocarbons, solvents, agricultural chemicals and mild acids.
- Temperature range -30°F to 200°F.

### PVDF

- Use where ultra high purity is required.
- Resists most corrosive chemicals, acids, bases, salts, solvents, halogens, chlorinated solvents and is an UL94-VO listing.
- Good choice for high temperatures, applications up to 300°F.
- Can be used in place of SS in many applications.

### Polypropylene

- Good chemical and corrosion resistance.
- Resists most acids, chemicals and fertilizers.
- Use from 10°F up to 180°F.

### Food-Grade Polypropylene

- White, FDA material.
- Cost effective lightweight replacement SS.
- Temperatures up to 180°F.
- Industry applications include food products, cosmetics, pharmaceutical processing.

## GASKETS

### EPT/EPDM

- Best choice for most fertilizer and agricultural applications.
- Temperatures up to 212°F.

### Buna-N

- General purpose industrial—resistant to oil, hydraulic fluid, petroleum based fluids and water.
- Temperatures up to 250°F.

### Viton®

- Superior resistance to most fuels, petroleum based fluids, chemicals and solvents.
- Temperatures up to 350°F.

### Polyurethane

- Resists abrasion and tearing.
- Resists many solvents, oils and petroleum based fluids.
- Temperatures up to 180°F.

### PVC

- Solvent cementable.
- Permanent installation.
- Resists many chemical solutions.
- Ideal for water transfer.
- Sewage system and pump quick disconnects.
- Use where liquids being transferred will not exceed 140°F.

### Santoprene

- Special purpose.
- Excellent resistance to weather.
- Good chemical resistance.
- FDA applications—used for protective caps or plugs for SS adapters and couplers.

### Stainless Steel

- 316 Excellent chemical and corrosion resistance.
- Use for food service and processing.
- Conductive.

### Neoprene®

- Food grade, FDA applications.
- White color.
- Resistant to many oils and chemicals.
- Temperature up to 220°F.

### Santoprene®

- Excellent resistance to weather and many chemicals.
- FDA applications.
- Temperatures up to 275°F.

