

High-Density Polyethylene

High-Density Polyethylene (HDPE) Rods from ARK IMPEX are one of the general-purpose engineering plastics that have become a very popular material. HDPE Rod offers low friction, which when used in bearings or rollers is always an advantage. HDPE is also lightweight and a key feature that is universally recognized is the fact that it's relatively inexpensive, which means that HDPE can save you money. Characterized by high resistance to corrosion, HDPE is an ideal material for manufacturing storage containers for liquids, food, and chemical products with varying pH levels. Thanks to this feature, it can maintain its properties when in contact with chemicals, thus remaining safe and effective.

High-Density Polyethylene (HDPE) round and square rods

Size: 8 mm to 20 mm

Color: natural/ black / custom

Length: 300 mm / 1000 mm / 1220 mm / up to 4000 mm (as per requirement).

HDPE IS WIDELY USED FOR

- ✓ Chemical tanks
- ✓ Cutting boards for food preparation
- ✓ Water pipe flanges (HDPE pipe grade)
- ✓ Outdoor and indoor playground systems
- ✓ Marine construction (pile guards, bumpers, anti-skid surfaces)
- ✓ Orthotics and prosthetics – AFOs, KAFOs
- ✓ Light duty tank, chute, and bin linings
- ✓ Outdoor cabinetry and furniture

PERFORMANCE CHARACTERISTICS

- ✓ Easy to weld using thermoplastic welding equipment
- ✓ Low moisture absorption
- ✓ Excellent surface for food preparation
- ✓ Good chemical and corrosion resistance

✓ Easy to fabricate and machine

✓ Low weight

