

Closed Cell Sealing & Gasketing Tapes are made of closed cell, compressible PVC, Polyethylene, Neoprene, Polyurethane and various other foams, usually with a pressure sensitive adhesive on one side,

Dry Foam Sealants, made from various thermoplastic and thermoset plastics and rubber blends. These products are particularly suited for use as seals, gaskets, cushioning, moisture & dust sealing, thermal barriers, glazing, separating, light leakage, acoustical barriers, vibration dampening, weather-stripping. Variations are more suited than others for use in particular applications, such as outdoor use, or the type of substrates being put in contact with the foam. Contact your Total Plastics Technical Service Representative for assistance in selecting the proper closed cell foam formulation for your application.

Formulations:

LOW DENSITY PVC FOAM: 5-7 lb. density, excellent conformability, flexible at low temperatures, engineered for easy compression

MEDIUM DENSITY PVC FOAM: 9-12 lb. density, multipurpose density ideal for light, air, and moisture seals

HIGH DENSITY PVC FOAM: 15-25 lb. density, firm density ideal for vibration dampening, and shock absorption

NEOPRENE BLEND FOAM: Excellent compression recovery and “dry” surface designed for open / close gasketing applications

NITRILE VINYL FOAM: Good recovery properties and more conformable than Neoprene Blend foam, good in open / close gasket applications

POLYETHYLENE FOAM: Low cost foam, designed for light to medium duty, low compression applications. Very low water absorption

POLYURETHANE FOAM: Available with or without adhesive, excellent tensile, compression recovery, and abrasion resistance properties, very low outgassing

ACRYLIC FOAM: Lightweight, medium density and strength, very conformable

STYRENE FOAM: Excellent thermal and moisture barrier. Limited configurations available

CORK & RUBBER BLEND: Anti-skid surface and extremely low compression set

Shape: Rolls, strips, spools, sheets, die-cut and fabricated parts

Finish: Skinned or unskinned, limited textures available (depending on the particular type of foam)

Thickness: .010” - 12” (depending on the particular type of foam)

Width: 1/8” - 72” (depending on the particular type of foam)

Length: To 200’ (virtually unlimited on a custom basis)

Color: Black, Gray & White are most common (depending particular type of foam)

Packaging: Individually boxed, bagged, or bulk packed

Note: Not all formulations are available in every configuration

Typical Applications:

- Electrical / Electronic control boxes - environmental door seal
- Van Conversions - window and door seals
- Truck Caps - seal between cap and truck body
- Cargo Trailer Manufacturing - lap joint seals, roof and floor line seals
- HVAC (Heating, Ventilation, Air Conditioning) - thermal seals, vibration dampening
- Furniture Manufacturing - light and dust seals, acoustical seals, space fillers
- Lighting - light and dust seals, thermal dams
- Window & Door Manufacturing - glazing, thermal barriers, sash seals
- Construction Industry - curtain wall spacing and cushioning, skylight installation, thermal barriers, expansion joints, pre-fab. housing roof bows, log home joints, flashing seals, sound dampening, solar panels, stone assemblies, sheet metal joints, compression seals, gypsum board floor track, plenum seal

General Characteristics:

- Available with or without Pressure Sensitive Adhesive (PSA) on one side, or two
- Available with rubber, acrylic or silicone PSA, depending on the formulation
- Many densities and compression values available
- Foams are more dimensionally stable, will not run, ooze, drip, or slip while under compression
- Low deflection forces reduces deflection of adjacent materials
- Gray, Black, and White are the most common colors
- Wide service temperature range
- Wide application temperature range
- Fire-retardant (UL & CSA) formulations available
- Resistance to weather, fungi and oxidation, depending on the formulation
- Excellent conformability to curved or irregular surfaces, depending on the formulation
- Excellent shock and sound absorption properties
- Cleaner and easier to apply than pumpable sealants
- Wide range of thickness' and widths available