



Abrasion Resistant 777

777- Durocast™ has been upgraded to the Durocast spherical-shaped tungsten-carbide alloy bound in a chromium-nickel matrix to provide superior abrasion and corrosion wear resistance. The 777 Durocast alloy typically provides up to three times the life of standard iron boron alloys and up to eight times the wear life of standard nitride type barrels. . The inlay's overall hardness is in the range of Rockwell C 65 with micro hardness beyond C 70. Ideal for protecting against wear when processing glass and mineral filled resins. 777 is recognized by the FDA as a suitable material for bore protection in pharmaceutical, food and medical applications.

777 is compatible with most screw flight hard facing materials and metal constructions such as Colmonoy C83, C57, C56, Carbide encapsulated, Stellite 12 and CPM materials.

Compared against conventional bimetal barrels, 777 delivers three to four times longer service life, and in excess of 8 times longer service life as compared to nitride barrels.

777 is suitable for use in high wear applications. The alloy is suitable and may be used with a majority of glass and mineral re-enforced resin materials processing at high temperatures and rpm speeds.

777 is available in complete barrel assemblies, as-cast, semi-finished barrel blanks, Twin liners and shrink-fit liner types.

MATERIAL TYPE	TYPICAL MATERIALS	WEAR ENVIRONMENT	INLAYS
Standard Thermoplastics with elastomeric fillers or foam agents	PS, PE's, PP, PVC, ABS, Nylon, PC, etc.	Abrasive	WEXCO 777-Durocast
Common Thermo-set Compounds	Glass/Mineral-filled Phenolics Glass-filled Polyesters	Hard Abrasive	WEXCO 777-Durocast
Filled reinforced thermoplastics	Resins containing glass or fillers	Abrasive	777- Durocast or Durocast™ premium (5-Year Limited Warranty)

Wexco 777 when combined with 316SS backing material is compliant with food and drug process standards and is deemed as a favorable and acceptable material by the FDA.

Service. Expertise. Quality.