



Durocast™ premium

Durocast premium is a spherical-shaped tungsten-carbide alloy bound in a chromium-nickel matrix to provide superior abrasion and corrosion wear resistance. The 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. Wexco guarantees that Durocast cylinders will not wear more than .010" (0.25mm) total on the bore diameter within five years from date sold.

Durocast 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, Durocast delivers three to four times longer service life, and in excess of 8 times longer service life as compared to nitride barrels.

Durocast 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.

Durocast premium is available in complete barrel assemblies.

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)

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