



DURMAT 40-FTC

Oxyacetylene Welding & Spraying Powder

GENERAL CHARACTERISTICS:

DURMAT 40-FTC is a welding powder developed for combined corrosion, abrasion and heat resistant applications. Due to the high tungsten carbide content, the powder is highly wear resistant. DURMAT 40-FTC protects components that are exposed heavy mechanical and mineral wear.

APPLICATION:

Mechanical engineering, pump and mill construction, the manufacturing of petrochemical apparatus, deep drilling tools, wear plates in agriculture

CHEMICAL COMPOSITION (in wt-%)

	Ni	Cr	B	Si	C	W
60 Matrix	Balance	16-17	3.3	3.8	0.8-1.0	0.8-1.0
40 FTC	-	-	-	-	3.8-4.1	Balance

PHYSICAL CHARACTERISTICS:

Density:	DURMAT 60-A: 8.1 g/cm ³ DURMAT FTC: 16.0 – 17.0 g/cm ³
Hardness:	DURMAT FTC: ~ 2340 HV0.1 DURMAT 60-A: ~ 56HRC
Melting Point:	DURMAT 60-A: 1070°C DURMAT FTC: 2680°C
Structure:	Fused tungsten carbide embedded in a Ni-matrix with chrome carbide and nickel boride.
Grain size:	106 +22 µm **)

SALES UNITS:

PE-bottle: 5 kg**)

Processing recommendation: Grinding + Turning

**) others on request