

DURMAT[®] 40-A

Oxyacetylene welding & spraying powder

General characteristics:

DURMAT 40-A is a welding powder developed for combined corrosion, abrasion and heat resistant applications. Its extreme hardness allows for excellent gliding on high tensile strength steels and plastics. DURMAT 40-A is also recommended for caulking and for carbon packs in refrigeration units. The powder is both, corrosion and erosion durable. DURMAT 40-A shows excellent performance up to 550°C (1,022°F)

Application:

Applying on small areas or die edges, mold castings in the glass industry, fittings, pistons & guides, buffer layers in advance to DURMAT B hard facings

Chemical composition (in wt-%):

Ni	Cr	B	Si	C
Balance	9-10	1.8	3.8	0.35

Physical characteristics:

Hardness: 35-39 HRC
Melting point: ~1.070 °C (1,958°F)
Density: 8.1 g/cm³
Structure: Ni-Matrix + Cr-Carbide / Ni-Boride.
Grain size: -106 +22 µm **)

Sales units:

PE-bottle: 5 kg **)

Processing recommendation:

Machining: Grinding + Turning

**) others on request