

Technical Data Sheet EKAPLAST – Jacketing Foil and Form Parts

Material:

Halogen-free thermoplast-foil
Fire class: B2 (DIN 4102)

Physical properties:

Colour: Grey, white, black
Environmental permanence: UV- and weather-resistant
Property: Free of halogens, free of PVC and free of silicones
Density: 1,32 g/cm³
Blow firmness: ≥ 250 kJ/m² (up to 500 µm foil thickness)
Tensile strength: ≥ 45 N/mm²
Elongation at rupture: ≥ 350 %
Elasticity module: ≥ 1500 N/mm²
Glaze point: ≈ 255 °C
Shrinkage: 10 min by 50°C = 0 %
10 min by 70°C ≤ 0,2 %
10 min by 140°C ≤ 10,0 %

Moisture resistance factor µ: Approx. 120 000
Sd-value: 42 mtr (foil-thickness 0,35mm)

Dimensions:

Material thickness: 0,15 ...0,6 mm
Foil width: 1000 mm for foils with rolling tendency

Tolerance: ≤ ± 5 %

Ranges of application:

Temperature range: As insulation-protect-jacketing
From -20 to +50 (°C) insulation outside temperature
Connection /Fixing EKAFIX rivets (in addition can be used acetone or EKAFIX Butyl-tape)

Other properties

We confirm that Cadmium, Hexavalent Chromium, Lead, Mercury, Polybrominated biphenyls (PBB) and Polybrominated diphenyl esters (PBDE) (including DecaBDE) have not been added intentionally to the Ekaplast products.

Tips:

Color divergences between foil, form parts and adhesive tape are possible.

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