

PP-DWST

Homopolymer, permanent-heat stability, natural

Product properties

- Permanent-heat stability
- High chemical resistance
- Good long-term properties when exposed to a range of media
- Very good processing characteristics
- High corrosion resistance
- High rigidity in upper temperature range

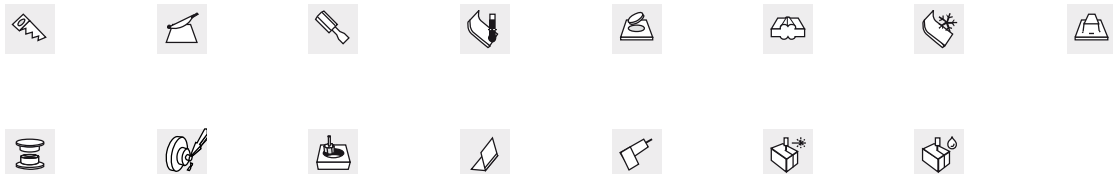
Areas of use

- Chemical installations
- Fish farming
- Food production
- Livestock farming and agriculture
- Pharmaceuticals and bioindustry

Approvals/certifications

- Approved for contact with food in accordance with LFGB and EC Regulation 1935/2004
- DIN 4102 B2 normal flammability (self-assessment without test certificate)
- Physiological safety in accordance with BfR
- Food compliance EU 10/2011
- Food compliance FDA

Processing



PP-DWST

Data sheet update

16.02.2016

Moulding compound extruded

PP-H,EHN,16-09-003

Extruded to moulding compound standard

DIN EN ISO 19069-1

Moulding compound pressed

PP-H,QHN,16-09-003

Pressed to moulding compound standard

DIN EN ISO 1873, Teil 1

Density, g/cm³,

DIN EN ISO 1183

0.9

Tensile modulus of elasticity, MPa,

DIN EN ISO 527

1400

Yield stress, MPa,

DIN EN ISO 527

32

Elongation at yield, %

8

Impact strength, kJ/m²,

DIN EN ISO 179

without break

Notched impact strength, kJ/m²

7

Ball indentation hardness, MPa,

DIN EN ISO 2039-1

70

Shore hardness D (15 s),

DIN EN ISO 868

70

Mean coefficient of linear thermal expansion, K⁻¹,

ISO 11359-2

1.6×10^{-4}

Fire behaviour DIN 4102

DIN 4102 B2 normal flammability (self-assessment without test certificate)

Dielectric strength, kV/mm,

DIN IEC 60243-1

58

Surface resistivity, Ohm,

DIN IEC 60093

10^{14}

Temperature range, °C

0 - 100

Physiological safety in accordance with BfR (German Federal Institute for risk valuation)

yes

Food compliance EU 10/2011

yes

Food compliance FDA

yes



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