

ALTECH PS A 1000/240 FR

(Last update: 14.02.2025)

MOCOM

Base Polymer	Polystyrene, impact
Filler/Additive System	flame retardant
Special Features	high impact modified
Market Segment	various
Application Area	various
Typical Applications	various

Pre-Drying Conditions in an air circulating dryer 60-80 °C
for 2-4 h

Processing Injection Moulding melt temperature 180-280 °C
mould temperature 10-70 °C

Properties	Value	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	2100	MPa	ISO 178
Flexural Stress (3.5% Strain)	37	MPa	ISO 178
Tensile Modulus	2100	MPa	ISO 527
Tensile Stress at Yield	25	MPa	ISO 527
Tensile Elongation at Yield	1.4	%	ISO 527
Impact Strength (Charpy, 23°C)	100	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	10	kJ/m ²	ISO 179/1eA
Thermal Properties			
Vicat B50	89	°C	ISO 306
HDT / A (1,8 MPa)	83	°C	ISO 75-1/-2
Rheological Properties			
Melt Index (MVR)	4.5	cm ³ /10min	ISO 1133
MVR temperature	200	°C	-
MVR load	5	kg	-
Shrinkage (24h)	0.3 - 0.7	%	ISO 294-4
Physical Properties			
Density	1110	kg/m ³	ISO 1183
Flammability			
Flammability (1.5 mm)	V-2	class	UL 94
Glow Wire (GWFI, 960 °C, 1.0mm)	passed	-	DIN EN 60695
Glow Wire (GWFI, 960 °C, 2.0mm)	passed	-	DIN EN 60695

Liability Exclusion

These are guide values and not a specification. The test values mentioned are representative values only and not binding minimum or maximum figures. These test values have been determined on standardised test specimens and can be affected by pigmentation, mould design and processing conditions.



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