

Technical Data Sheet

 **Altech[®] ECO**
 **MOCOM**
ALTECH PP-B ECO 2030/510 GF30 IM

Base Polymer	Polypropylene
Filler/Additive System	30 % glass fibres
Special Features	chemically coupled
Market Segment	Automotive, Machinery, electrical and electronic
Typical Applications	various

Pre-Drying Conditions	in a dry air (dessiccant) dryer 80-120 °C for 2-3 h in an air circulating dryer 80-120 °C for 2-4 h
-----------------------	--

Processing Injection Moulding	melt temperature 200-250 °C mould temperature 20-70 °C
-------------------------------	---

Storage	dry, protected from light
---------	---------------------------

Properties	Value	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	5100	MPa	ISO 178
Flexural Strength	105	MPa	ISO 178
Tensile Modulus	6000	MPa	ISO 527
Tensile Strength at Break	64	MPa	ISO 527
Tensile Elongation at Break	4	%	ISO 527
Impact Strength (Charpy, 23°C)	43	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	12	kJ/m ²	ISO 179/1eA
Thermal Properties			
Vicat B50	110	°C	ISO 306
HDT / A (1,8 MPa)	139	°C	ISO 75-1/-2
DSC (Melt Point)	166	°C	ISO 11357
Rheological Properties			
Melt Index (MVR)	4.5	cm ³ /10min	ISO 1133
MVR temperature	230	°C	-
MVR load	2.16	kg	-
Shrinkage (lengthwise, 24h)	0.2 - 0.4	%	ISO 294-4
Shrinkage (lateral, 24h)	0.4 - 0.6	%	ISO 294-4
Physical Properties			
Density	1140	kg/m ³	ISO 1183
Ecological Properties			
Global Warming Potential (GWP)	1.08	kg CO ₂ eq./kg	ISO 14040, 14044