

Characteristic

Mosten GB 503 is a block copolymer, suitable for injection moulding of technical parts with high demands on impact strength. Further application can be manufacture of co-extruded films for subsequent thermoforming and manufacture of compounds.

Typical properties and usage

Property	Unit	Typical value	Testing method
MELT FLOW RATE (230/2,16)	g/10 min	3	ISO 1133
YIELD STRESS	MPa	23	ISO 527
ELONGATION AT BREAK	%	200	ISO 527
FLEXURAL MODULUS	MPa	1250	ISO 178
CHARPY NOTCHED IMPACT STRENGTH 23°C	kJ/m ²	60	ISO 179
CHARPY NOTCHED IMPACT STRENGTH -20°C	kJ/m ²	8	ISO 179
VICAT SOFTENING TEMPERATURE	°C	148	ISO 306
HDT(1,8 MPa)	°C	-	ISO 306

Notice:

Mosten GB 503 meets the hygienic requirements on materials and articles intended for contact with foodstuffs according to Regulation (EC) 1935/2004 of the European Parliament and of the Council, as well as according to Commission Regulation (EU) No 10/2011 including changes and additions.