

Characteristic

Polypropylene Mosten MA 745 is a high melt flow block copolymer with antistatic additivation, intended for injection moulding of parts requiring high flowability and impact strength. It is suitable for thin walled injection moulding into multiple moulds. Typical application is production of various foodstuffs packaging, boxes, crates (clap-boxes), etc.

Typical properties and usage

Typical properties and usage	Unit	Typical value	Testing method
MELT FLOW RATE (230/2,16)	g/10 min	45	ISO 1133
YIELD STRESS	MPa	26	ISO 527
ELONGATION AT BREAK	%	35	ISO 527
FLEXURAL MODULUS	MPa	1400	ISO 178
CHARPY NOTCHED IMPACT STRENGTH 23°C	kJ/m ²	8	ISO 179
CHARPY NOTCHED IMPACT STRENGTH -20°C	kJ/m ²	4	ISO 179
VICAT SOFTENING TEMPERATURE	°C	151	ISO 306
HDT(1,8 MPa)	°C	56	ISO 306

Notice:

Mosten MA 745 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.