

Umincorp PP IM

Polypropylene

Product description

Umincorp PP IM is typically used for non-food grade injection moulding applications.

Product characteristics

Test Method used	ISO	
Processing method	Injection Moulding	
Features	100% recycled material	
Typical Properties	Test Method	Unit Value¹
Physical		
Melt flow rate (MFR) 230 °C / 2.16 kg	ISO 1133	11.1 g/10min
Density	ISO 1183	915 kg/m ³
Ash content (600 °C)	ISO 3541-1A	0.5 %
Mechanical Properties		
Maximum Tensile Strength (23 °C)	ISO 527-2 type 1A, 50 mm/min	27,1 MPa
Tensile Modulus (23 °C)	ISO 527-2 type 1A, 1 mm/min	1250 MPa
Tensile strain @ yield	ISO 527-2 type 1A, 50 mm/min	8.4 %
Tensile strain @ break	ISO 527-2 type 1A, 50 mm/min	18 %
Impact Properties		
Charpy Notched (23 °C)	ISO 179 / 1	4.8 kJ/m ²
Charpy Unnotched (23 °C)	ISO 179 / 1	113 kJ/m ²

¹ Unit values are typical values, not to be construed as specifications