

Umincorp HDPE BM

High Density Polyethylene

Product description

UMC HDPE BM is typically used for non-food grade blow moulding applications

Product characteristics

Test Method used	ISO	
Processing method		
Features	100% recycled materials	
Typical Properties	Test Method	Unit Value¹
Physical		
Met flow rate (MFR)		
190°C / 2.16 kg	ISO 1133	0.65 g/10min
190°C / 5.00 kg	ISO 1133	2.89 g/10min
Density	ISO 1183	955 kg/m ³
Bulk Density		
Ash Content	ISO3451-1A	0.89 %
Mechanical Properties		
Tensile Stress at Yield	ISO 527-2 type 1A	23.5 MPa
Tensile Strain at Yield	ISO 527-2 type 1A	11%
Tensile Strain at Break	ISO 527-2 type 1A	100%
Tensile Modulus	ISO 527-2 type 1A	953 MPA
Impact Properties		
Charpy Notched (23 °C)	ISO 179 / 1	15 P kJ/m ²
Charpy Notched (-30 °C)	ISO 179 / 1	3.8 C kJ/m ²

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