

Technical Data Sheet

HDPE 1107



Description

A post-consumer recycled fractional melt, high density polyethylene available in standard black (reference 90/04). The nature of our HDPE source material, being generally derived from ASR (Automotive shredder residue) fuel system components, may restrict the applications that it is suitable for. Please contact MBA for further information.

Material Properties

	Value	Unit	Test Method
Physical			
Density	0.95-0.98	g/cm ³	MBA Method
Rheological			
Melt Flow Rate (190°C / 2.16 kg)	0.25	g/10 min	ISO 1133
Mechanical			
Flexural Modulus (23°C)	500	MPa	ISO 178
Tensile Stress at Yield (23°C)	19	MPa	ISO 527-2/50
Impact			
Izod Impact Strength, notched (23°C)	12	kJ/m ²	ISO 180/1A

Note:

The data above is provided in good faith and represents typical properties based on our current knowledge and experience. Product properties may be changed without notice. These properties are provided as a guide and should not be construed as binding specification limits or minimum values. Data valid until January 2019. This document does not create any liability, warranty or guarantee of product performance. It is the buyer's responsibility to determine the suitability of MBA Polymers products for the intended application. We DO NOT recommend our materials for toys or for applications that involve food contact or human oral contact or for medical applications.

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Processing Information

	Value	Unit
Injection Molding		
Melt Temperature Range	190-220	°C
Recommended Melt Temperature	200	°C
Mold Temperature Range	30-60	°C
Recommended Mold Temperature	40	°C
Extrusion		
Melt Temperature Range	180-210	°C
Recommended Melt Temperature	200	°C

Note:

The processing parameters listed above are general guidelines based on our current knowledge and experience. The suitability of the data for a specific processing method can only be ensured with investigations and tests by the end user.