



ARGETENA J® 084

ARPECHIM - High Density Polyethylene

Tuesday, February 17, 2009

General Information

General

Material Status	• Commercial: Active
Availability	• Europe
Features	• General Purpose
Uses	• Crates • Industrial Applications
Forms	• Pellets
Processing Method	• Injection Molding

ASTM and ISO Properties¹

Physical	Nominal Value Unit	Test Method
Density	0.966 g/cm ³	ISO 1183/D ASTM D1505
Melt Mass-Flow Rate (MFR) ² (190°C/2.16 kg)	5.5 g/10 min	ASTM D1238 ISO 1133

Mechanical	Nominal Value Unit	Test Method
Tensile Strength ³ (Break, 1.000 mm, Compression Molded)	18.0 MPa	ASTM D638
Tensile Elongation ³ Break, 1.000 mm, Compression Molded	18 %	ASTM D638

Additional Information

Density, ASTM D1505: 0.962 to 0.970 g/cm³
 Density, ISO 1183, Method D: 0.962 to 0.970 g/cm³
 Melt Mass-Flow Rate, ASTM D1238, 190°C/2/16 kg, Procedure A: 4.5 to 6.5 g/10 min
 Melt Mass-Flow Rate, ISO 1133, 190°C/2/16 kg, Procedure A: 4.5 to 6.5 g/10 min
 Notched Izod Impact, ASTM D256, 3.2 mm, Compression Molded: 6 kJ/m²

Notes

¹ Typical properties: these are not to be construed as specifications.

² Procedure A

³ Type II, 50 mm/min