



Ravapura® HDPE 5004

Ravago Manufacturing Europe - High Density Polyethylene

General Information

Product Description

Recycled polyethylene resin

General

Material Status	• Commercial: Active
Availability	• Europe
Recycled Content	• Post-Consumer (PCR), 50%
Features	• High Density
Appearance	• Grey
Processing Method	• Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	0.962	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	4.0	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	820	MPa	ISO 527-1
Tensile Stress (Yield, 23°C)	24.0	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	> 600	%	ISO 527-2
Flexural Modulus (23°C)	850	MPa	ISO 178
Flexural Stress (23°C)	24.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C)	7.0	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	63.0	°C	ISO 306/B50

Notes

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