



RAVAPURA[®] HDPE 5004

Recycled Polyethylene Resin

OVERVIEW

Description	HDPE compound based on post-consumer (PCR) material
Applications	Suitable for injection molding applications. Not intended for Food Contact Applications.
PCR/virgin content	50/50
Virgin polymer	HDPE
Visual	Available in grey

PHYSICAL PROPERTIES

	Nominal Value (SI)	Unit	Test Method
MFI (190°C / 2.16 kg)	4	g/10 min	ISO 1133
Density	0.962	g/cm ³	ISO 1183

MECHANICAL PROPERTIES

	Nominal Value (SI)	Unit	Test Method
Izod notched impact strength (23°C)	7	kJ/m ²	ISO 180
Tensile strength at yield (23°C)	24	MPa	ISO 527
Elongation at break (23°C)	>600	%	ISO 527
Tensile modulus (23°C)	820	MPa	ISO 527
Flexural modulus (23°C)	850	MPa	ISO 178
Flexural strength at yield	24	MPa	ISO 178

THERMAL PROPERTIES

	Nominal Value (SI)	Unit	Test Method
Vicat softening point (B50/50N)	63	°C	ISO 306

Note: Preliminary datasheet

Properties not to be construed as specifications