



# Ravaplen® 33 H 40-9

## Ravago Manufacturing Europe - Polypropylene Copolymer

### General Information

#### Product Description

PP reinforced compound, hybrid glass and mineral filled, black color

#### General

Material Status	• Commercial: Active	
Availability	• Europe	• North America
Filler / Reinforcement	• Glass Fiber/Mineral	
Appearance	• Black	

### Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density	1.12	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	6.0	g/10 min	ISO 1133
Ash Content (600°C)	30	%	ISO 3451
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	5300	MPa	ISO 527-1
Tensile Stress (Yield)	69.0	MPa	ISO 527-2
Tensile Strain (Yield)	3.0	%	ISO 527-2
Flexural Modulus	5200	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	7.0	kJ/m <sup>2</sup>	ISO 179
Notched Izod Impact Strength (23°C)	8.0	kJ/m <sup>2</sup>	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Annealed)	137	°C	ISO 75-2/A
Vicat Softening Temperature	123	°C	ISO 306/B50

#### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.