

## Material Description

PP SERILENE 45.350 NERO is a Polypropylene Copolymer, obtained from industrial scraps and prime materials. This product has a fluidity suitable for injection molding and good thermo-mechanical properties. It is currently used in items where toughness, flexibility and good dimensional firmness is required. It is specially used for automotive applications, where high processability and a good appearance are expected.

## Material Properties and Test Requirements

### TYPICAL PHYSICAL VALUES

Proprietà fisiche	U. M.	Valore	Metodo
Melt Flow Index (230°C - 2,16 kg)	g/10'	7÷14	ISO 1133
Density (23°C)	g/cm <sup>3</sup>	0.89÷0.92	ISO 1183
Ash content (525°C-45')	%	≤1	ISO 3451
Moisture (loss in weight)	%	0.05	ASTM D6980
Proprietà meccaniche			
Flexural Modulus (2mm/min)	MPa	≥800	ISO 178
Izod notched impact strenght (23°C)	Kj/m <sup>2</sup>	≥35	ISO 180
Tensile strength at yield (50mm/min)	Kj/m <sup>2</sup>	≥15	ISO 527
Proprietà termiche			
Vicat 50N	°C	≥42	ISO 306

## Working condition

Melting Temperature: 190 - 220 °C  
 Mould Temperature: 40 - 50 °C  
 Injection speed: medium-high  
 Minimum time of Drying : about 3 hours at 100 °C

## Packaging and storage

Granules are packaged in big bags of 1200 kg or can be shipped in bulk.  
 Material must be stored in dry rooms, at ambient temperature and protected from the direct sunlight.

The dates referred above are indicatives and have not to be considered as product specifications. Because the condition in which our information and our product will be used are not predictable, our society do not guarantee the applicability and fitness of product for the use that will be done; so we decline for any responsibility for damage at the client or third parties.

Revision	Date	Written by	QA Approval
A	24/07/14	Serena D'Addio	Giuseppe Magliulo

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