

## Product Information

### Product description

INNOPOL® CS 5-8250 W is a 50% chalk filled compound based on high density polyethylene. This grade is available only in white coloured form.

### Recommended application

INNOPOL® CS 5-8250 W is developed for packaging film production.

Physical properties/Typical values	Test method	Unit	Mean value
<b>Properties</b>			
Abbreviated term	ISO 1043	-	PE-HD KD50
Colour	-	-	white
Density 23°C	ISO 1183	g/cm <sup>3</sup>	1.46
<b>Rheology</b>			
Melt Mass Flow Rate MFR (190°C/2.16kg)	ISO 1133	g/10 min	0.35
<b>Mechanical properties</b>			
Tensile Stress at Break, MD	ISO 527	MPa	15
Tensile Stress at Break, TD	ISO 527	MPa	8
<b>Thermal properties</b>			
Elmendorf Tear Resistance, MD	ISO 6383-2	g	12
Elmendorf Tear Resistance, TD	ISO 6383-2	g	140
Elongation at Break, MD	ISO 527	%	>250
Elongation at Break, TD	ISO 527	%	>100
Dart Drop	ISO 7765	g	20

Data contain above represent typical values of individual properties. They are informative, please do not construe as specifications.

MFR is measured at 230°C under a load of 2.16 kg with standard nozzle having a diameter of 2.095 mm.

Average mechanical property values of several measurements carried out on standard injection moulded specimens (ISO 3167) conditioned at room temperature (ISO 291).

### Physical form and storage

Standard packaging includes the 25 kg bags, the 1000 kg octabin (octagonal container) or the 1250 kg big-bag. All containers are tightly sealed and should be opened only immediately prior to processing.

INNOPOL® CS 5-8250 W should generally have a moisture content of less than 0.06% when being processed. In order to ensure reliable production pre-drying is suggested before processing of material at 80°C/2h.

INNOPOL® CS 5-8250 W should be stored in dry conditions at temperatures below 60 °C and protected from UV-light. The quality of product may suffer due to storage under improper condition.

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### Recommended processing parameters

INNOPOL® CS 5-8250 W can be extruded with standard extrusion lines.

The following temperatures should be used as guidelines:

Barrel temperatures	160 – 200°C
Polymer melt temperature	190 – 210°C
Die temperature	180 – 200°C

### Product safety

For detailed safety information, see Safety Data Sheet, which is available on request.

### Note

All information provided herein is based on our best knowledge, experience and laboratory test results. However, Inno-Comp Kft. shall be in no even responsible or liable for misunderstood data or for inefficient application.

In order to check the availability of products, please, contact us:

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