

# Catalyst PS/2 Black

Polyolefin  
Solvay Specialty Polymers

Message:

Catalyst PS/2 is a PE based black catalyst masterbatch, which accelerates the crosslinking reaction of the pipe product during its curing process that can take place by exposure of the pipe to water or steam at high temperature. Catalyst PS/2 Black contains a processing aid.

General Information	
Features	Antioxidation
	Good UV resistance
	Good thermal aging resistance
Uses	Pipe components
	Piping system
	Potable water application
Processing Method	Pipeline extrusion molding
	Extrusion

Physical	Nominal Value	Unit	Test Method
Apparent Density	0.65	g/cm <sup>3</sup>	ISO 60
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.0	g/10 min	ISO 1133

Additional Information
Above values are typical averagesUse and DosageCatalyst PS/2 Black shall be used together with the silane-crosslinkable POLIDAN® compounds in the ratio of 7 to 93 parts respectively. The two components shall be mixed together before the extrusion or continuously during the process with the use of automatic feeders. Pre-dry is suggested.StorageThe product shall be stored under the following conditions: Closed and unbroken bags Ambient temperature not exceeding 40°C Indoor in order to avoid direct exposure to sunlight The product could undergo alterations due to extended period of storage. Solvay Specialty Polymers suggests the product use within 12 months from the production date printed on the packaging. Solvay Specialty Polymers accepts no liability of any kind in case the above mentioned conditions are not fulfilled.PackagingCatalyst PS/2 Black is supplied in 25 kg bags placed on pallets.Technical ServiceCatalyst PS/2 Black is part of the Solvay Specialty Polymers catalyst masterbatch range and is used together with the POLIDAN® compounds. Solvay Specialty Polymers Technical Service is available to assist customers with further information and advice including the start-up and also for any eventual necessity during the use of the product.

Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	150 - 200	°C
Cylinder Zone 2 Temp.	150 - 200	°C
Cylinder Zone 3 Temp.	150 - 200	°C
Cylinder Zone 4 Temp.	150 - 200	°C
Cylinder Zone 5 Temp.	150 - 200	°C
Head Temperature	200	°C
Extruder Screw L/D Ratio	25:1 ~ 30:1	
Extruder Screw Compression Ratio	>2.5:1	

Die Temperature	210	°C
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#### Extrusion instructions

Typical extrusion temperatures in combination to POLIDAN® crosslinkable grades

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#### Recommended distributors for this material

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