

Catalyst PS/2

Polyolefin
Solvay Specialty Polymers

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

General Information	
Features	Antioxidation
	Good thermal aging resistance
Uses	Pipe components
	Piping system
	Potable water application
Agency Ratings	DVGW W270 2
	KTW Not Rated 2
	NSF 14 2
	NSF 61 2
Processing Method	Pipeline extrusion molding
	Extrusion

Physical	Nominal Value	Unit	Test Method
Apparent Density	0.55	g/cm ³	ISO 60
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.50	g/10 min	ISO 1133

Additional Information

Above values are typical averagesUse and DosageCatalyst PS/2 shall be used together with the silane-crosslinkable POLIDAN® compounds in the ratio of 5 to 95 parts respectively. The two components shall be mixed together before the extrusion or continuously during the process with the use of automatic feeders. Usually there is no need to pre-dry the catalyst masterbatch.ColouringCatalyst PS/2 and POLIDAN® compounds can be used with good quality PE based colour masterbatches. Solvay Specialty Polymers suggests to pre-dry any colour masterbatches prior to use.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 is supplied in 25 kg bags placed on pallets.Technical ServiceCatalyst PS/2 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

Extrusion instructions

Typical extrusion temperatures in combination to POLIDAN® crosslinkable grades

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

