

Technical Data Sheet

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Item Name:

PMA

PRODUCT INFORMATION

Chinese Name:	聚丙烯酸马来酸共聚物钠盐
Commodity Name:	PMA
Chemical Name:	Poly Acrylic Acid - Maleic Acid Copolymer
Other Name:	Sokalan CP5, Gantrez AN149, Poly Acrylic Acid and Maleic Acid Sodium Salt Homopolymer
CAS No.:	52255-49-9
Molecular Weight:	N/A (Co-polymer)

PRODUCT DESCRIPTION

Capatible with alkylaryl suphates and other sulfonated, sulfated, anionic and non-ionic surfactants. Buffering pH to reduce the stimulation to skin, acting efficiently in a pH zone greater than 7. Reducing the consumption of water and energy during processing in slurry preparation of low viscosity and high solids content, improving the efficiency of the detergent spray dry plant by reducing caking and blockages. Improving shape, glossiness & hardness of sprayed particles, reducing the quantity of fine powder. Scattering dirt and preventing re-deposition, inhibiting the growth of CaCO_3 in the washing liquid; Stable to the changes of temperature, no precipitant.

TECHNICAL SPECIFICATION

Index	PMA40-55	PMA40-64	PMA40-73
Appearance	Colorless to light yellow transparent liquid		
Sulfates	None	None	None
pH value (direct)	7.2 - 8.2	7.2 - 8.2	7.2 - 8.2
Solid content by wt %	39 - 41	39 - 41	39 - 41
Density by g/ml	1.23 - 1.33	1.23 - 1.33	1.23 - 1.33
AA:MA	5:5	6:4	7:3
Average molecular weight	10000 - 20000	30000 - 50000	60000 - 80000
Viscosity (20°C) by mpa.s	500 - 1000	1000 - 1500	2000 - 3000
Calcium exchanging capacity by mgCaCO_3/g	300 min	340 min	360 min
Calcium dispersing capacity by mgCaCO_3/g	300 min	280 min	260 min
Residual monomer by ppm	5000 max	5000 max	3000 max
Loss on drying by wt %	0.1 max	0.1 max	0.1 max
Acid dissolving	Bright and clear liquid	Bright and clear liquid	Bright and clear liquid

PACKING, LOADING AND SHELF LIFE

Packing: 200L(250kg) Plastic drum, 1200kg IBC drum

Loading: 20mt/20'fcl for 200L drums only and on pallets. 24mt/20'fcl for 1200kg IBC

Shelf Life: 24 months when stored in cool, dry and ventilated warehouse, away from incompatible materials.

DISCLAIMER

The information provided in this data sheets is for informational purposes only is considered reliable, but Rawchem doesn't guarantee how any other products associated with this information will behave in combination with variables to other matters. It's recommended to make adaptations to local working conditions and to the raw material to be used.