

◎Recommended grade

Industrial field	Applications	L series						H series			
		DL YS	TL	GL	TX	PM	HL	IH	FH	MH	AS
Paper making	Pigment dispersion for coated paper	◎	◎	◎							
	Stabilization of latex for coated paper	◎	◎					◎			
	Rheology adjustment for color coating	◎	◎					◎			
	Stabilization of H ₂ O ₂ in pulp bleaching		◎								
	Scale inhibition in pulp cooking	◎	◎	◎	◎						
Detergents	Builder for powder laundry detergent	◎	◎								
	Builder for automatic dishwasher detergent	◎	◎	◎							
	Builder for various liquid detergent	◎	◎		◎	◎					
	Detergent for industrial-strength	◎									
Water treatment	Scale inhibition for boilers,cooling towers,etc	◎	◎	◎							
	Scale inhibition for geo-thermal power generation	◎			◎						
	Scale inhibition and corrosion proofing for various other applications	◎	◎	◎	◎						
	Fackry drainage,sewage disposal							◎			
	Flocculating agent to retrieve protein								◎		
Textile treatment	Chelating agent for scouring and bleaching	◎	◎	◎			◎				
	Migration inhibition for disperse dyes	◎									
	Modification for warp size							◎			◎
Civil engineering, construction	Soil improvement and curing agents							◎			◎
	Drilling fluid additives	◎	◎			◎		◎			◎
	Cement dispersing agent					◎					
	Set retarding agents for concrete	◎									
	Spreading agent for agricultural chemicals								◎		◎

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		DL YS	TL	GL	TX	PM	HL	IH	FH	MH	AS
medicine	Cataplasm, compress								◎		◎
	Base material of hydrophilic ointment								◎		◎
food	Flavor improvement for noodle								◎		
	Freeze stabilizer for frozen food								◎		
	Sugar juice clarifier								◎		
	Feed additives for domestic animal or sea food									◎	
	Water treatment agent of livestock waste water								◎		
	Thickener of ice cream								◎		
Paints, adhesives	Dispersion of paint pigments	◎	◎			◎	◎	◎			
	Thickener of compound for carpet							◎	◎		◎
	Thickener of paint, Adhesive improvement							◎			◎
	Variety of glues, thickener of glue, adhesive strength improvement							◎			◎
Ceramics	Dispersing agent for castable refractories	◎					◎				◎
	Dispersing agent for potter's clay	◎					◎				◎
Manufacturing processes	Rheology adjustment in manufacturing processes for various inorganic pigments	◎	◎			◎					
	Red mud flocculating agent of almina manufacturing process							◎			
	Flocculating agent for salt water purification							◎			
Others	Deodorant	◎					◎				◎
	Production of hardening coolant	◎									
	Moisture adosorbent, drying agent						◎	◎			◎
	Variety of thickener, caking additive							◎	◎	◎	◎
	Binding agent for inorganic materials						◎				◎