

MPEG (methoxy polyethylene glycol) is made by reaction with EO (ethylene oxide) and Methanol and MPEG's main usage is producing PCA type (polycarboxylate) water reducing agent.

MPEG normally reacts with MAA (methacrylic acid) through esterification and generate Macromer (MPEG-MA) and Macromer further reacts with MAA (methacrylic acid) and other polymer. And its final products called PCA (polycarboxylate type water reducing agent) which are currently applied in high speed railways, multistory building, subways and so on which normally required high strength and excellent durability.

Applications

Polycarboxylate type water reducing agent

Specifications

Grade	Appearance	Color	Molecular Weight	Hydroxyl value	Water	pH	Density	Pour point
Condition	25°C	50°C,max		Cal.	max	3%	25°C	
Units		APHA		mgKOH/g	wt%		ppm	°C
mPEG-450	Liq.	100	400~500	112~140	0.1	5.5~7.5	5	0
mPEG-650	Liq.	100	600~700	81~93	0.1	5.5~7.5	5	24
mPEG-750	Paste	100	700~800	70~80	0.1	5.5~7.5	5	
mPEG-1000	Solid	100	900~1100	50~62	0.1	5.5~7.5	5	40
mPEG-1200	Solid	100	1100~1300	35~40	0.1	5.5~7.5	5	49
mPEG-2000	Solid	100	1800~2200	25~31	0.1	5.5~7.5	5	53
mPEG-2200	Solid	100	2100~2300	24.4~26.7	0.1	5.5~7.5	5	
mPEG-3000	Solid	50	2850~3150	17.5~19.7	0.1	4.5~7.5		
mPEG-5000	Solid	50	4710~5340	10.5~11.9	0.1	4.5~7.5		

Storage and Handling

Avoid contact with skin.

Recommended storage temperature for these products is within a range 5 to 35°C.