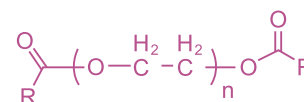
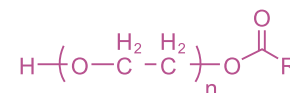




Hipeg® Series

Polyethylene Glycol Esters



Product

Product	Item SPECIFICATIONS								Item SPECIFICATIONS					
	Composition	Appearance	Acid value	Saponification Value	Melting Point (°C)	Cloud Point (1%Aq. sol.)	Specific Gravity at 25°C(a) or 65°C(b)	HLB	Solubility Data				Mineral oil	
								Water	Propylene glycol	Isopropyl alcohol	Isopropyl myristate	55 Vis	330 Vis	
200ML	PEG 200 Monolaurate	Liquid	5▼	132-142	< 5	15 °C	0.98 (a)	9.3	D	I	S	S	PS	I
200DL	PEG 200 Dilaurate	Liquid	10▼	176-186	< 9	< 5 °C	0.95 (a)	5.9	D	I	S	S	S	S
400ML	PEG 400 Monolaurate	Liquid	5▼	86-96	12	68 °C	1.02 (a)	13.0	S	I	S	PS	I	I
400DL	PEG 400 Dilaurate	Liquid	10▼	127-137	18	29 °C	0.99 (a)	9.7	D	I	S	S	I	I
600ML	PEG 600 Monolaurate	Liquid	5▼	64-74	23	68 °C	1.05 (a)	14.6	S	I	S	I	I	I
600DL	PEG 600 Dilaurate	Soft Solid	10▼	102-112	24	30 °C	0.98 (b)	11.7	D	I	S	S	I	I
200MS	PEG 200 Monostearate	Solid	5▼	120-129	31	< 5 °C	0.94 (b)	8.1	DH	I	S	S	I	I
200DS	PEG 200 Distearate	Solid	10▼	153-162	34	< 5 °C	0.91 (b)	4.8	DH	I	S	S	S	S
400MS	PEG 400 Monostearate	Solid	5▼	83-92	32	< 5 °C	0.98 (b)	11.7	DH	I	S	S	I	I
400DS	PEG 400 Distearate	Solid	10▼	115-124	36	< 5 °C	0.94 (b)	8.5	DDH	I	S	S	S	S
600MS	PEG 600 Monostearate	Solid	5▼	61-70	37	55 °C	1.00 (b)	13.5	S	PS	S	PS	I	I
600DS	PEG 600 Distearate	Solid	10▼	93-102	39	< 5 °C	0.97 (b)	10.7	DH	I	S	S	I	I
200MO	PEG 200 Monooleate	Liquid	5▼	115-124	< -15	< 5 °C	0.97 (a)	8.2	D	I	S	S	S	I
200DO	PEG 200 Dioleate	Liquid	10▼	148-158	< -15	< 5 °C	0.94 (a)	5.0	D	I	S	S	S	S
400MO	PEG 400 Monooleate	Liquid	5▼	80-89	< 10	65 °C	1.01 (a)	11.6	D	I	S	PS	I	I
400DO	PEG 400 Dioleate	Liquid	10▼	118-122	< 7	< 5 °C	0.98 (a)	8.3	D	I	S	S	S	I
600MO	PEG 600 Monooleate	Liquid	5▼	60-69	23	80 °C	1.04 (a)	13.6	S	I	S	I	I	I
600DO	PEG 600 Dioleate	Liquid	10▼	92-102	19	10 °C	1.00 (a)	10.6	D	I	S	S	I	I