

Marcus Oxidized Polyethylene Waxes

Product Data Sheet : Marcus Oxidized Low Molecular Weight Polyethylene Waxes

Typical Properties Marcus Oxidized Polyethylene waxes

CAS no. 68441-17-8

DSL/NDSL RECORD NUMBER : 17493

Marcus Grade	Mettler Drop Point °C	DSC Peak °C	Needle Penetration dmm	Viscosity mPas @149°C	Density gms/cc	Acid No Mg KOH/gm
M3300	112	109	4	20-40	0.97	7
M3400P	112	109	4	20-40	0.97	12
M3400T	112	109	4	20-40	0.97	16
M3500	112	109	5	20-40	0.97	24
MC330	137	-	<0.5	3600	0.99	30
Test Method	ASTM D3954	ASTM 3418	ASTM 1321	ASTM D3236	ASTM D1505	

Marcus 3300; 3400 and 3500 Oxidized Polyethylene waxes are manufactured using Marcus homopolymer feedstock. The oxidation process is conducted under special conditions to maintain good wax color and hardness. Marcus MC330 is higher in molecular weight than other Marcus oxidized grades and utilizes a proprietary oxidation process.

Marcus Oxidized Polyethylene waxes can be used for making high quality emulsions (see Marcus EML literature) or where a functional or polar wax is desirable. In general, an acid value >16 mgKOH/g is recommended for emulsion manufacture.

Packaging and Product Form

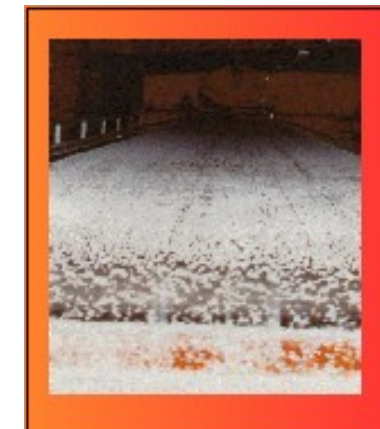
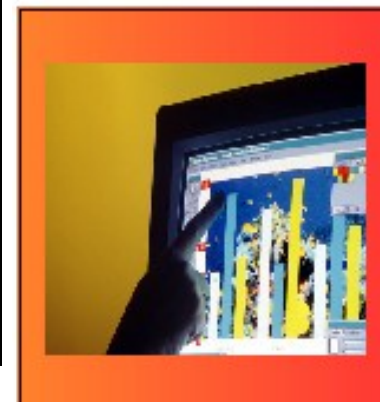
Standard packaging is in 55 lb (25kg) plastic lined kraft bags with 40 bags to the pallet (2500 lbs). Supersacks and Gaylord boxes are available upon request.

Marcus 3300; 3400 and 3500 Oxidized Polyethylene waxes are available as white pastilles (approx. 3-6 mm dia), liquid and ground. Flake and special grinds are available upon request. Marcus MC330 is supplied as in a fine granular form.

Micronized Marcus homopolymer waxes are also available (see Marcus Micronized Wax brochure (PRD-MIC)).

Safety

Marcus Polyethylene homopolymers are regarded as non-hazardous when exposure is controlled using accepted industrial hygiene practices. Please consult the Material Safety Data Sheet for specific information on the safe handling of Marcus Polyethylene waxes.



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