

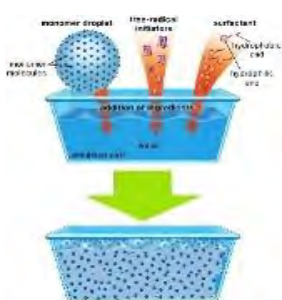
## TYPICAL PROPERTIES OF MARCUS OXIDISED PE WAX & OXIDISED HDPE

CAS No.: 68441-17-8

DSL/NDSL RECORD NUMBER: 17493

MARCUS OXIDISED GRADES	DSC PEAK MELTING POINT, °C (ASTM D 3418)	METTLER DROP POINT, °C (ASTM D 3954)	VISCOSITY CPS (ASTM D 3236) @200 Deg. C	DENSITY (ASTM C 693) gm/cc	PENETRATION dmm (ASTM D1321) @ 5 Secs at 23°C	ACID NO. (ASTM D 1386) mg KOH/g
<b>OXIDIZED POLYETHYLENE WAX</b>						
M 3300	95 ± 5	100 ± 5	20 ± 5	0.96 - 0.97	4 - 8	7 ± 2
M 3400P	95 ± 5	100 ± 5	20 ± 5	0.96 - 0.97	4 - 8	12 ± 2
M 3400T	95 ± 5	100 ± 5	20 ± 5	0.96 - 0.97	4 - 8	16 ± 2
M 3500	95 ± 5	100 ± 5	20 ± 5	0.96 - 0.97	4 - 8	24 ± 2
MC 629	90 ± 5	100 ± 1	25 ± 5	0.93 - 0.94	4 - 8	15 ± 1
MC 629A (Powdery form)	90 ± 5	100 ± 1	25 ± 5	0.93 - 0.94	4 - 8	15 ± 1
<b>OXIDIZED HDPE</b>						
MC-307	135 ± 5	140 ± 5	95,000 ± 5%	0.981	< 0.5	7 ± 2
MC-316	135 ± 5	140 ± 5	35,000 ± 5%	0.982	< 0.5	16 ± 2
MC-325	135 ± 5	140 ± 5	20,000 ± 5%	0.983	< 0.5	25 ± 2
MC-330	135 ± 5	140 ± 5	13,500 ± 5%	0.984	< 0.5	30 ± 2
<b>OXIDIZED LDPE</b>						
M - 10	95 ± 5	235 ± 5	6,000 - 7,000	0.984	< 1.0	16 ± 2

Marcus oxidized polyethylene wax and oxidized HDPE/LDPE are a range of low & high density, low & high melt point specialty polymer - Oxidized Polyethylene. These are manufactured by using virgin PE Wax and virgin HDPE/LDPE feedstock; their oxidation process is conducted under special controlled conditions to maintain superior qualities and aesthetic properties.



**Applications/Uses:** The main feature is that the oxidation of polyethylene allows formulators to incorporate the beneficial properties of high viscous, high carbon number & high melt point hydrophobic hydrocarbon OPE into aqueous systems. As an process add these oxidized polyethylene enhanced the wide range of applications in chemical industries such as emulsion, polish, textile, coating, as a metal release agent & fusion control for PVC processing etc.



**Packaging:** Standard packaging: 25kg PP woven sacks bags, Palletized with 25 bags & wrapped for shipment. FIBC Jumbo Bags of 625 kg & 500 kg are also available.

**Safety:** Marcus Oxidized Polyethylene are regarded as non-hazardous when exposure is controlled using industrial hygiene practices. Please see the Safety Data Sheet for specific information on the safe handling of Marcus oxidized PE wax/ HDPE/LDPE.



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