

Marcus Homopolymer Polyethylene Waxes

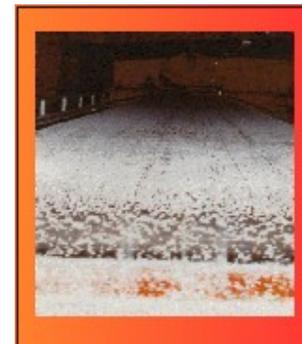
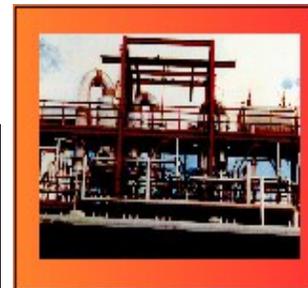
Product Data Sheet : Marcus Low Molecular Weight Polyethylene Homopolymers

Typical Properties Marcus Polyethylene Homopolymer waxes

CAS no. 9002-88-4

DSL/NDL RECORD NUMBER : 8959

Marcus Grades	DSC Peak Melting Point, °C (ASTM D 3418)	Mettler Drop Point, °C (ASTM D 3954)	Penetration, dmm @ 100gms 5 Secs at 23 °C (73 °F) (ASTM D 1321)	Viscosity, cps @ 149 °C (300°F) (ASTM D 3236)	Density, Gms/cc (ASTM C 693)	Molecular Weight (Mn) GPC
M 105	95 ~ 100	100 ~ 105	0.5 ~ 1.5	15 ± 5	0.92 ~ 0.95	1200 ± 10%
M 200	101 ~ 107	110 ~ 118	0.5 ~ 1.5	16 ~ 25	0.93 ~ 0.94	1500 ± 10%
M 300	101 ~ 107	110 ~ 118	0.5 ~ 1.5	26 ~ 40	0.93 ~ 0.94	1500 ± 10%
M 500	101 ~ 107	110 ~ 118	0.5 ~ 1.5	41 ~ 55	0.93 ~ 0.94	1500 ± 10%
M 600	101 ~ 107	110 ~ 118	0.5 ~ 1.5	Above 55	0.93 ~ 0.94	1500 ± 10%
PR 700	100 ± 5	105 ± 5	3.0 ~ 8.0	Max. up to 100	0.91 ~ 0.94	1500 ± 10%



Marcus homopolymer polyethylene waxes are hard, high melting waxes with low viscosity. Low molecular weights and narrow distribution combined with their high crystallinity give Marcus Waxes their unique properties. Products with higher density translates to higher crystallinity.

Packaging and Product Form

Standard packaging is in 50 lb (22.7 kg) plastic lined kraft bags with 45 bags to the pallet (2250 lbs). Supersacks and Gaylord boxes are available upon request.

Marcus homopolymer waxes are available as spray powder form (3-5mm typical).

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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