



Texan Minerals and Chemicals LLC

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TMC 50016

High Density Oxidized Polyethylene

SPECIFICATIONS

PARTICULAR	RESULT	TEST
Acid number	15 - 18 mg KOH/g	ASTM D1386
Density @ 23°C	>0.98 g/cc	ASTM D792
Penetration @23°C	<0.5 dmm	ASTM D5
Melting Peak	~132 °C	DSC
Viscosity @ 150°C	15,000 cps	Brookfield
Emulsifiability	Good	
Softening Point(R&B, degrees C)	129	
Hardness, Shore D	66	
Granulation	>99% passing 20 mesh	
Appearance	White to Off-white Powder	

USES AND APPLICATIONS

High density oxidized polyethylene is used in coating industries, overprint varnish, polishes, and inks to improve surface properties including scuff and mar resistance. This product can also provide heat resistance in hot melt adhesives. In PVC and processing of other plastics, TMC 50016 can be used as a metal release agent and acts as fusion control for formulations.