



Texan Minerals and Chemicals LLC

14090 Southwest Freeway, Suite 310, Sugar Land, TX 77478

Phone: 713-294-4180 Email: Mani@tmcgreen.com



TMC 50025

High Density Oxidized Polyethylene

SPECIFICATIONS

PARTICULAR	RESULT	TEST
Acid number	24 - 26 mg KOH/g	ASTM D1386
Density @ 23°C	>0.98 g/cc	Pycnometer
Penetration @ 23°C	<0.5 dmm	ASTM D5
DSC Melt Point	~132 °C	ASTM E794
Viscosity @ 150 °C	~10,000 cps	Brookfield
Emulsifiability	Good	
Softening Point(R&B, degrees C)	128 - 129	
Hardness, Shore D	65 - 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 processing, TMC 50025 can be used as a metal release agent and acts as fusion control for formulations. This product is good for aqueous emulsions & dispersions.