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TECHNEWS

Polar PlusTM

Winterized Premium Diesel Fuel

Specifications

Gravity, °API (ASTM D 287)	30 min.
Color (ASTM D 1500)	2.5 max.
Colonial Haze Rating, Max. @ 77°F (ASTM D 4176)	2
Flash, Pensky-Martens, °F (ASTM D 93)	130 min.
Cold Filter Plugging Point*, °F (ASTM D 6371)	-40 max.
Cloud Point, °F (ASTM D 2500)	Report
Pour Point, °F (ASTM D 97)	Report
Viscosity @ 40°C (104°F) cSt (ASTM D 445)	1.9 min./3.4 max.
Sulfur, ppm (ASTM D 5453)	15 max.
Corrosion (ASTM D 130)	No. 1 max.
Ash, % (ASTM D 482)	0.01 max.
Motor Cetane Number (ASTM D 613)	45 Typical
Distillation, °F (ASTM D 86)	
90 % Recovered	540 min./640 max.
End Point	690 min.

NOTE: This product meets ASTM Specification D 975 (diesel fuel) and contains performance additives.

Marathon Petroleum Company LLC's Polar PlusTM will have a typical -40°F Cold Filter Plugging Point when tested with a certified ASTM test method. The Cold Filter Plugging Point is defined in ASTM D 6371 as the highest temperature observed at which a fuel stops flowing through a standard 45 micron filter when cooled under the conditions defined in the test method during a specified time period.

*Note: Since recommended filter sizing can vary between original equipment manufacturers and a fuel system more restrictive than 45 microns could lead to filter plugging at a temperature higher than -40°F, it is important to note and adjust for this factor. Depending on the application, a fuel filtration system more restrictive than 45 microns may require other means, such as installing a warm fuel return system or additional #1 diesel fuel blending, to prevent fuel gelling and filter plugging.