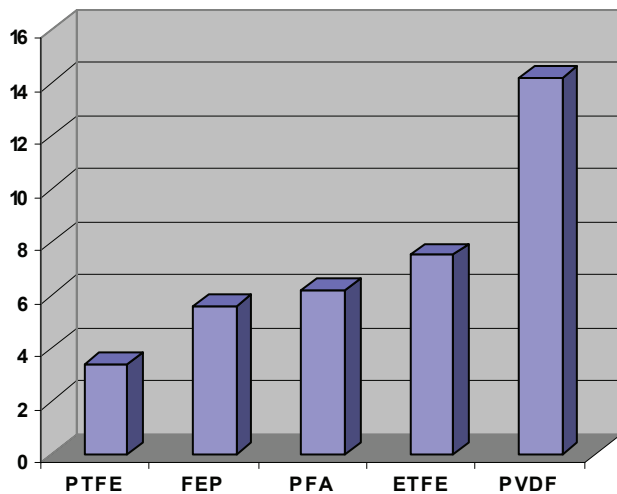


M-Bond® ULTRA LOW PERMEATION FUEL AND VAPOR TUBING

Markel M-Bond® Ultra Low Permeation Fuel and Vapor Tubing provides a unique combination of the lowest permeation rate and economical construction to meet EPA requirements. It consists of a nylon jacket over a semi-conductive PTFE barrier layer for fuel and non-conductive PTFE barrier for vapor. The conductive inner surface is an integral part of the PTFE barrier layer in M-Bond® Fuel Tubing..

COMPARISON OF PERMEATION RATES FOR VARIOUS FLUOROPOLYMERS USED IN FUEL TUBING



APPLICATIONS

Markel M-Bond® Tubing is used in fuel rails, bundles, jumper lines, evaporation and OCVR lines in automobiles, trucks and motor homes. Forming of M-Bond Fuel and Vapor Tubing is accomplished with steam followed by cold water..

M-Bond® PTFE barrier layer can be provided to rubber processors to make flexible ultra low permeation fuel hose.

AVAILABLE SIZES

Size	ID in. +/- .006	OD in. Ref.	Type
5/16	.250	.330	Fuel and Vapor
6 x 8mm	.256	.336	Fuel and Vapor
3/8	.317	.397	Fuel and Vapor
7/16	.405	.485	Fuel Only
1/2	.440	.520	Vapor only

INDUSTRY STANDARDS

Fuel Tubing (Conductive Liner)

GM-213M Type F
Ford WSS-M98D33-A10
SAE J2260 Type CF P1

Vapor Tubing (Non-Conductive Liner)

GM-6406M Type F
Ford WSS-M98D33-A9
SAE J2260 Type NV P1