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TECHNICAL DATA

STRUKTOL® VMO Series

PROCESSING ADDITIVE
MELT FLOW MODIFIERS WITH LOW ODOR

COMPOSITION

Proprietary blend of fatty acid derivatives and vis-breaking technology.

PROPERTIES — TYPICAL VALUES

VMO Series	VMO 058	VMO 108	VMO 208	VMO 308	VMO 408
Appearance	Off-white to beige pastilles				
Dropping Point (ºC)	76-86	77-78	75-85	74-84	74-84
Specific Gravity	1.0	.98	1.0	1.0	1.0
Physiological Behavior	Refer to safety data sheet				
Storage Stability	At least 2 years under normal storage conditions				
Packaging	50 lb. bag *(2,000# skid)*	55 lb. bag 800 lb. box	50 lb. bag *(2,000# skid)*	50 lb. bag *(2,000# skid)*	50 lb. bag *(2,000# skid)*

RECOMMENDATIONS FOR APPLICATION

STRUKTOL® VMO series products with low odor will provide the ability to adjust the melt flow, MFI (Melt Flow Index) of polypropylene. These products are unique in that they include an odor neutralizer which will greatly reduce odor in the final compound. In addition, they allow manufacturers to very easily raise the MFI of a polypropylene to meet their processing and compound requirements. Each product is in a STRUTKOL® lubricant/process aid making a pellet masterbatch form that can be easily incorporated into the polymer or compound. They also offer the ability to be introduced not only during extrusion/compounding but can also be used directly in injection molders.

Another unique feature is the ability to use blended PP with PE and still allow for MFI increase. In many cases, such as recycling, manufacturers don't have a choice and their PP is contaminated with PE while in other cases blending PP with some PE may be deliberate. This can interfere with increasing the melt flow of PP. STRUKTOL® VMO series products have been designed to allow for PE presence; in some cases upwards of 35%.

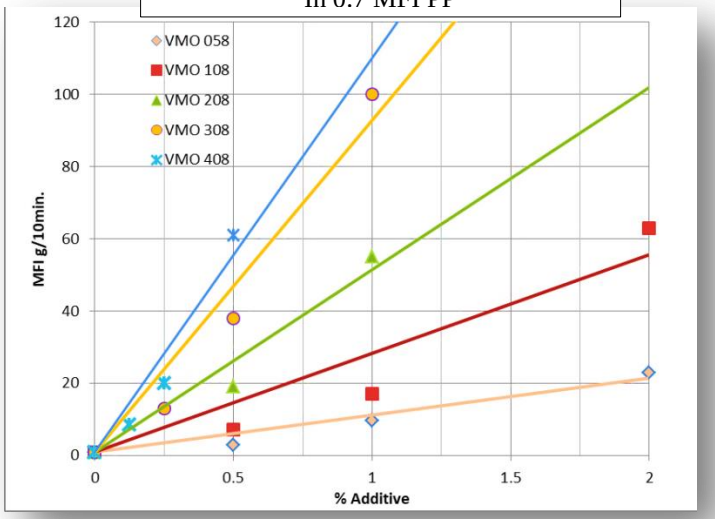
DOSAGE

STRUKTOL® VMO series: VMO 058, VMO 108, VMO 208, VMO 308 and VMO 408 are distinguished by their activity ranging from low to high as can be seen in the charts below.

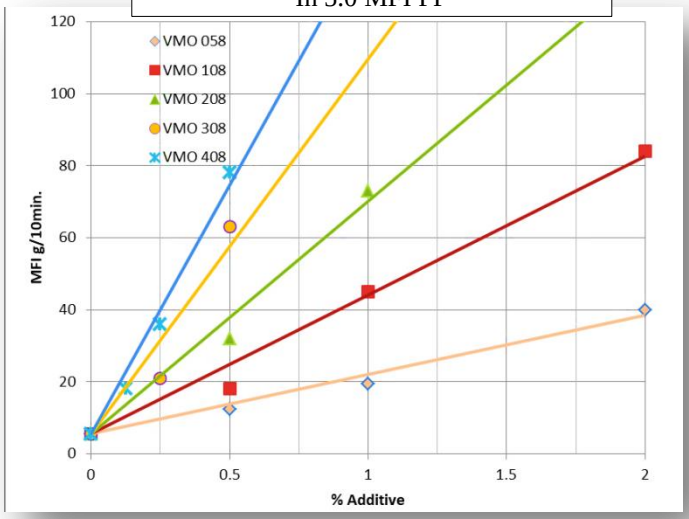
- over -

Melt Flow Index Comparison

In 0.7 MFI PP



In 5.0 MFI PP



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