



## METALEN F 1018

### Polyolefin-Based Functional Additive

#### Description

The material is based on ethylene-gexen copolymer grafted with anhydride and carboxyl functional groups allowing more effective combination of the filler and polymer matrix for the purpose of improving their physico-mechanical and performance properties.

#### Application

METALEN® F 1018 is used as

- Functional component of adhesive compounds for pipe insulation
- Adhesive agent for wood and plastic composites. It allows increasing the filling to above 60 %. The recommended introduction percentage is 5 %
- Wetting and dispersing agent for dyes and pigments. The recommended introduction percentage is 1–3 %.

#### Quality Parameters

Parameter	Value	Unit	Test Method
MFR (190°/2,16 kg)	0,3–10 *	g/10 min	GOST 11645
Density	0,89–92	g/cm3	GOST 15139
Maleic anhydride (MAH) grafting degree, minimum	1,1	%	METACLAY method
Volatiles level at 105 °C, maximum	0,5	%	METACLAY method

#### Processing Recommendations

The maximum processing temperature shall not exceed 250 °C.

Thoroughly clean the molding equipment when the process is stopped.

## Storage

Store METALEN F 1018 in a dry enclosed storage area precluding exposure to direct sunlight, on pallets, in at least 5 cm from the floor and at least 1 m from heating appliances. The established guaranteed materials shelf life is 2 years from the date of manufacture.

The information contained herein is correct and accurate to the best of our knowledge. All the suggestions and recommendations are given with no guarantee, since the product use conditions in production conditions are beyond the manufacturer's control. Please, be also warned that patents may exist for some applications of the product.