

## Arkema Group OREVAC® 18760 Grafted Maleic Anhydride Polypropylene

Category : Polymer , Thermoplastic , Polypropylene (PP)

### Material Notes:

OREVAC 18760 is a maleic anhydride grafted polypropylene used in the manufacturing of three layer PP coating for steel pipeline. OREVAC 18760 is also used in multilayer EVOH – PP structures. OREVAC 18760 is mainly used in pipe coating to have good adhesion performances between an epoxy primer and a PP or between EVOH and PP for heating tube applications. OREVAC 18760 combined with a proper PP and epoxy fulfill the requirement of different application standards when applied in the rules of art. Information provided by Arkema Group

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Arkema-Group-OREVAC-18760-Grafted-Maleic-Anhydride-Polypropylene.php](http://www.lookpolymers.com/polymer_Arkema-Group-OREVAC-18760-Grafted-Maleic-Anhydride-Polypropylene.php)

Physical Properties	Metric	English	Comments
Density	0.910 g/cc	0.0329 lb/in <sup>3</sup>	ISO 1183
Melt Index of Compound	3.8 g/10 min @Load 2.16 kg, Temperature 210 °C	3.8 g/10 min @Load 4.76 lb, Temperature 410 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	62	62	ISO 608
Tensile Strength at Break	43.0 MPa	6240 psi	ASTM D527-2
Tensile Strength, Yield	24.0 MPa	3480 psi	ISO R 527-2
Elongation at Break	540 %	540 %	ISO R 527-2

Thermal Properties	Metric	English	Comments
Melting Point	152 °C	306 °F	DSC
Vicat Softening Point	126 °C @Load 0.999 kg	259 °F @Load 2.20 lb	ISO 306

Processing Properties	Metric	English	Comments
Zone 1	190 - 210 °C	374 - 410 °F	
Zone 2	195 - 220 °C	383 - 428 °F	
Zone 3	200 - 225 °C	392 - 437 °F	
Zone 4	205 - 230 °C	401 - 446 °F	
Die Temperature	220 - 240 °C	428 - 464 °F	

## **Contact Songhan Plastic Technology Co.,Ltd.**

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