

Arkema Group OREVAC® 18365-S Grafted Maleic Anhydride Polyethylene

Category : Polymer , Thermoplastic , Polyethylene (PE) , Anhydride-Modified Polyethylene

Material Notes:

OREVAC 18365-S is a grafted maleic anhydride polyethylene used in the manufacturing of multilayer oxygen barrier tube. OREVAC 18365-S is mainly used in multi-layer tube to have good adhesion between PEX, PE, PA, and EVOH. It is combined with SOARNOL from NIPPON GOSHEI provides very good oxygen barrier. These tubes are used in plumbing, sanitary, heating floor and also industrial applications. Information provided by Arkema Group

Order this product through the following link:

http://www.lookpolymers.com/polymer_Arkema-Group-OREVAC-18365-S-Grafted-Maleic-Anhydride-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.916 g/cc	0.0331 lb/in ³	ISO 1183
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Melt Index of Compound	2.5 g/10 min	2.5 g/10 min	ISO 1133
	@Load 2.16 kg, Temperature 190 °C	@Load 4.76 lb, Temperature 374 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	45	45	ISO 868
Tensile Strength at Break	24.0 MPa	3480 psi	ASTM D638
Tensile Strength, Yield	6.50 MPa	943 psi	ASTM D638
Elongation at Break	930 %	930 %	ASTM D638

Thermal Properties	Metric	English	Comments
Melting Point	121 °C	250 °F	DSC
Vicat Softening Point	92.0 °C	198 °F	ISO 306
	@Load 0.999 kg	@Load 2.20 lb	

Processing Properties	Metric	English	Comments
Zone 1	160 - 180 °C	320 - 356 °F	
Zone 2	180 - 200 °C	356 - 392 °F	
Zone 3	200 - 220 °C	392 - 428 °F	
Zone 4	210 - 230 °C	410 - 446 °F	
Die Temperature	220 - 240 °C	428 - 464 °F	

Processing Properties

Metric

English

Comments

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