

Orevac® OE850

Polyethylene

Arkema

Message:

OREVAC® OE850 is a maleic anhydride modified polyethylene adhesive resin. It is available in pellet form for use in conventional extrusion and coextrusion equipments designed to process polyethylene (PE) resins.

Applications

OREVAC® OE850 is a versatile adhesive for extrusion coating or lamination, specifically designed to be used as concentrate in dry blend with LDPE. OREVAC® OE850 improves adhesion of LDPE on aluminum foils, metallized or primerized films. It is typically used at 20-40% in LDPE designed for extrusion coating.

General Information	
Features	Bondability
	Good Adhesion
	Low Density
Uses	Tie-Layer
Forms	Pellets
Processing Method	Coextrusion
	Extrusion

Physical	Nominal Value	Unit	Test Method
Density	0.915	g/cm ³	ISO 1183, ASTM D1505

Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	7.0 to 8.0	g/10 min	ASTM D1238, ISO 1133
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Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature ¹	89.0	°C	ISO 306/A, ASTM D1525 ²
Melting Temperature	104	°C	ISO 11357-3

Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	180 to 210	°C
Cylinder Zone 2 Temp.	220 to 240	°C
Cylinder Zone 3 Temp.	220 to 240	°C
Cylinder Zone 4 Temp.	260 to 280	°C
Cylinder Zone 5 Temp.	290 to 320	°C
Die Temperature	290 to 320	°C

NOTE	
1.	On compression molded samples
2.	Loading 1 (10 N)

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