BONDYRAM® TL 4101C

Polyethylene

Polyram Ram-On Industries

Message:

Bondyram® TL 4101C is a modified polyolefin contains functional groups that enhance its adhesion to a variety of polymers such as: PA, EVOH, PET, and metals such as steel and aluminum. The material functions as a tie-layer resin in multilayer barrier packaging structures.
Bondyram TL can be used in a wide variety of co-extrusion processes for the manufacturing of bottles, tubes, sheets and films.

General Information			
Features	Good Adhesion		
Uses	Bottles		
	Film		
	Sheet		
	Tie-Layer		
	Tubing		
Agency Ratings	EU 2002/72/EC		
	EU 2004/1/EC		
	EU 2004/19/EC		
	EU 2005/79/EC		
	EU 2007/19/EC		
	EU 2008/39/EC		
	FDA 21 CFR 175.105		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Processing Method	Coextrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.920	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.0	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	90.0	MPa	ISO 527-2
Tensile Stress (Yield)	12.0	MPa	ISO 527-2
Tensile Strain (Break)	> 900	%	ISO 527-2
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	122	°C	DSC
Extrusion	Nominal Value	Unit	
Hopper Temperature	230	°C	
Cylinder Zone 1 Temp.	200	°C	
Cylinder Zone 2 Temp.	210	°C	

Cylinder Zone 3 Temp.	220	°C	
Cylinder Zone 4 Temp.	220	°C	
Cylinder Zone 5 Temp.	220	°C	
Adapter Temperature	220	°C	
Die Temperature	230	°C	

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Recommended distributors for this material

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