

Borcoat™ EB133E-1199-LT

Polypropylene Copolymer

Borealis AG

Message:

Borcoat EB133E-1199-LT is an elastomer modified compound, based on polypropylene copolymer.

It has excellent low temperature impact resistance.

The product is coloured white. This product is thermal, as well as UV-stabilized.

The product is supplied in pellet form

General Information			
Additive	heat stabilizer		
	UV stabilizer		
Features	Recyclable materials		
	Low temperature impact resistance		
	Thermal Stability		
Uses	Pipeline coating		
Agency Ratings	DIN 30678		
	Gazprom 2-2.2-178-2007		
	ISO 21809-1		
	NF A 49-711		
Appearance	White		
Forms	Particle		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density ¹	0.915	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	1.0	g/10 min	ISO 1133
Environmental Stress-Cracking Resistance (10% Igepal, F50)	> 3000	hr	ASTM D1693A
Moisture		%	Karl Fisher
Oxidation Induction Time (220°C)	> 30	min	ISO 11357
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 3 sec)	60		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (1.00 mm)	1000	MPa	ISO 527-2
Tensile Stress			ISO 527-2/50
Yield	22.0	MPa	ISO 527-2/50
Fracture	> 20.0	MPa	ISO 527-2/50
Tensile Strain			ISO 527-2/50

Yield	13	%	ISO 527-2/50
Fracture	> 400	%	ISO 527-2/50
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	4.0	kJ/m ²	ISO 179/1eA
-20°C	5.0	kJ/m ²	ISO 179/1eA
23°C	60	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	> 135	°C	ISO 306/A50
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	200 - 220	°C	
Cylinder Zone 2 Temp.	200 - 220	°C	
Cylinder Zone 3 Temp.	200 - 220	°C	
Cylinder Zone 4 Temp.	200 - 220	°C	
Cylinder Zone 5 Temp.	200 - 220	°C	
Melt Temperature	200 - 240	°C	
Die Temperature	200 - 240	°C	
Extrusion instructions			
Head Temperature: 210 to 220°C			
NOTE			
1.	Compound		

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