

AZR-Ecoplast 143 HDPE black 0.5

High Density Polyethylene

UrbanPlast SIA

Message:

AZR Ecoplast 143 HDPE black 0.5 is high impact resistance in - extruder made thermoplastic polyethylene with a low temperature plastic composite profile for injection molding.

AZR Ecoplast 143 HDPE black 0.5 is controlled technology extra high impact resistance thermoplastic polyethylene with rheological properties even at low temperatures.

Applications:

AZR Ecoplast 143 HDPE black 0.5 is designed to offer excellent stiffness, low warping, good/acceptable toughness, plasticity and good moldability (extrudability). This resin is ideally suited for injection molded crates, cases, trays, tote, containers, bins and other objects requiring high rigidity.

Food Contact:

AZR Ecoplast 143 HDPE black 0.5 complies with EU directive 10/2011.

General Information			
Recycled Content	Yes		
Features	Controlled Rheology		
	Food Contact Acceptable		
	Good Moldability		
	Good Toughness		
	High Rigidity		
	High Stiffness		
	Low Temperature Impact Resistance		
	Low Warpage		
	Recyclable Material		
Uses	Ultra High Impact Resistance		
	Containers		
	Crates		
Agency Ratings	Rigid Packaging		
	EU 10/2011		
	EU No 10/2011		
Appearance	Black		
Processing Method	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.970	g/cm ³	ISO 1183
Apparent Density	0.53	g/cm ³	ISO 60
Melt Mass-Flow Rate (MFR)			ISO 1133
190°C/2.16 kg	0.52 to 0.59	g/10 min	

190°C/5.0 kg	1.5 to 1.6	g/10 min	
Humidity - External ¹	0.20 to 0.40	%	Internal Method
Charpy Impact Strength	200	J/m	ISO 148
Odor - 15 estimators	1.00	points	EN 13752
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A	97		
Shore D	65		
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	> 1690	MPa	ISO 527-2
Tensile Stress (Break)	> 27.0	MPa	ISO 527-2
Tensile Strain (Break)	> 46	%	ISO 527-2
Injection	Nominal Value	Unit	
Processing (Melt) Temp	180 to 190	°C	
NOTE			
1.	Nexis fiber method		

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Recommended distributors for this material

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