AZR-Ecoplast 143 HDPE red 0.4

High Density Polyethylene

UrbanPlast SIA

Message:

AZR Ecoplast 143 HDPE red 0.4 is high impact resistance in — extruder made thermoplastic polyethylene with a low temperature plastic composite profile for injection molding.
AZR Ecoplast 143 HDPE red 0.4 is controlled technology extra high impact resistance thermoplastic polyethylene with rheological properties even at low temperatures.
Applications:
AZR Ecoplast 143 HDPE red 0.4 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 red 0.4 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 Ultra High Impact Resistance
Uses	Containers Crates Rigid Packaging
Agency Ratings	EU 10/2011 EU No 10/2011
Appearance	Red
Processing Method	Extrusion Injection Molding

Physical	Nominal Value	Unit	Test Method
Density	0.950	g/cm³	ISO 1183
Apparent Density	0.51	g/cm³	ISO 60
Melt Mass-Flow Rate (MFR)			ISO 1133
190°C/2.16 kg	0.41 to 0.45	g/10 min	

190°C/5.0 kg	2.0 to 2.2	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	94		
Shore D	63		
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)	> 57	%	ISO 527-2
Injection	**Nominal Value**	**Unit**	
Processing (Melt) Temp	180 to 190	°C	
NOTE			
1.	Nexis fiber method		

Recommended distributors for this material

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