

AA-Recoplast A3H1

Polyethylene
SmartLab Latvia SIA

Message:

Pellets for Wood Plastic Composite
AA-Recoplast designed to offer excellent stiffness, low warping, good/acceptable toughness, and good moldability (extrudability). This resin is ideally suited for extrusion of wood plastic composite profiles.
Regulatory status
AA-Recoplast grades - 100% Recyclable.

General Information			
Recycled Content	Yes		
Features	Low warpage		
	Rigidity, high		
	Recyclable materials		
	Good formability		
	Good toughness		
Uses	Profile		
Forms	Particle		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.930 - 0.970	g/cm ³	ISO 1183
Apparent Density	0.50 - 0.53	g/cm ³	ISO 60
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	3.5 - 3.8	g/10 min	ISO 1133
Molding Shrinkage	0.012	%	
Water Absorption (Equilibrium, 23°C, 50% RH)	0.20 - 0.40	%	Internal method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	> 1500	MPa	ISO 527-2
Tensile Stress (Break)	> 14.0	MPa	ISO 527-2
Tensile Strain (Break)	> 26	%	ISO 527-2
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	180 - 190	°C	
Cylinder Zone 2 Temp.	180 - 190	°C	
Cylinder Zone 3 Temp.	180 - 190	°C	
Melt Temperature	140 - 210	°C	
Die Temperature	180 - 190	°C	

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