

AA-Recoplast A1H1

High Density Polyethylene

Smart Kemi SIA

Message:

AA-Recoplast designed to offer excellent stiffness, low warping, good/acceptable toughness, and good moldability (extrudability). This resin is ideally suited for injection molded crates, cases, trays, tote, bins and other objects requiring high rigidity.

AA-Recoplast grades compiles with Food Contact Regulation upon request.

General Information	
Filler / Reinforcement	Filler
Recycled Content	Yes
Features	Food Contact Acceptable
	Good Moldability
	Good Toughness
	High Rigidity
	High Stiffness
	Low Warpage
Uses	Containers
	Crates
	Support Trays
Processing Method	Extrusion
	Injection Molding

Physical	Nominal Value	Unit	Test Method
Density	0.970	g/cm ³	ISO 1183
Apparent Density	0.51	g/cm ³	ISO 60
Melt Mass-Flow Rate (MFR)			ISO 1133
190°C/2.16 kg	0.20	g/10 min	
190°C/21.6 kg	60	g/10 min	
190°C/5.0 kg	5.0	g/10 min	
Water Absorption (Equilibrium, 23°C, 50% RH)	0.010	%	Internal Method
Hardness	Nominal Value	Unit	Test Method
Shore Hardness			ISO 868
Shore A	90		
Shore D	56		
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	> 1500	MPa	ISO 527-2
Tensile Stress (Break)	> 48.0	MPa	ISO 527-2

Tensile Strain (Break)	> 16	%	ISO 527-2
Additional Information	Nominal Value	Unit	Test Method
Odor - 15 estimators	1.00	points	EN 13752
Injection	Nominal Value	Unit	
Rear Temperature	180 to 190	°C	
Middle Temperature	180 to 190	°C	
Front Temperature	180 to 190	°C	
Nozzle Temperature	180 to 190	°C	
Processing (Melt) Temp	190 to 250	°C	

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Recommended distributors for this material

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