

# Adstif HA1152

High Crystallinity Polypropylene  
LyondellBasell Industries

Message:

Adstif HA1152 is a high cristallinity homopolymer designed for injection molding applications with high processability. It features extremely high stiffness, high flowability, high gloss. Adstif HA1152 has been especially developped for the production of stiff injection moulded articles, where high rigidity is needed. Typical applications of Adstif HA1152 would include packaging containers, housewares, appliances, technical parts.

General Information			
Features	Good Processability		
	High Flow		
	High Gloss		
	High Rigidity		
	Highly Crystalline		
	Homopolymer		
	Ultra High Stiffness		
Uses	Appliance Components		
	Containers		
	Engineering Parts		
	Household Goods		
	Packaging		
Processing Method		Injection Molding	
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	25	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 358/30)	93.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2000	MPa	ISO 527-2
Tensile Stress (Yield)	40.0	MPa	ISO 527-2
Tensile Strain			ISO 527-2
Yield	6.0	%	
Break	15	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	2.0	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	60	kJ/m <sup>2</sup>	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method

Heat Deflection Temperature (0.45 MPa, Unannealed)	110	°C	ISO 75-2/B
Vicat Softening Temperature			
--	158	°C	ISO 306/A50
--	104	°C	ISO 306/B50

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