

# Adstif HA840R

High Crystallinity Polypropylene  
LyondellBasell Industries

Message:

Adstif HA840R is an homopolymer which features an extremely high stiffness and high gloss.  
Adstif HA840R was especially developed for the production of stiff injection moulded articles where high rigidity is needed.  
Typical applications of Adstif HA840R include food packaging containers, housewares, small appliances and technical parts.

General Information			
Features	Food Contact Acceptable		
	Good Stiffness		
	High Flow		
	High Gloss		
	High Rigidity		
	Homopolymer		
Uses	Appliances		
	Caps		
	Closures		
	Food Containers		
	Food Packaging		
	Furniture		
	Household Goods		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	20	g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	27.0	cm³/10min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 358/30)	95.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2300	MPa	ISO 527-2
Tensile Stress (Yield)	41.0	MPa	ISO 527-2
Tensile Strain			ISO 527-2
Yield	6.0	%	
Break	12	%	
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			ISO 179/1eU
0°C	25	kJ/m <sup>2</sup>	
23°C	65	kJ/m <sup>2</sup>	
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
Optical	Nominal Value	Unit	Test Method
Gloss (60°)	95		ASTM D2457
Haze (1000 µm)	40	%	ASTM D1003

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#### Recommended distributors for this material

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