

Adstif HA612M

High Crystallinity Polypropylene
LyondellBasell Industries

Message:

Adstif HA612M is a high crystallinity polypropylene homopolymer with an extremely high stiffness, good transparency and outstanding high temperature performances. It is especially designed for cast film applications where high rigidity, transparency and very good thermal characteristics are required. Adstif HA612M is particularly recommended for the production of coex film for Twist Wrapping on high speed packaging lines. Other applications include flowers and textile packaging, sterilizable and pasteurizable food packaging.

Adstif HA612M does not contain neither slip nor antiblocking agents and is suitable for metallisable films. It is Calcium Stearate free.

For regulatory information please refer to Adstif HA612M Product Stewardship Bulletin (PSB).

General Information	
Features	Crystalline High Clarity High Rigidity High Temperature Strength Homopolymer
Uses	Cast Film Film Food Packaging Packaging Stationary Supplies
Forms	Pellets
Processing Method	Cast Film Coextruded Film

Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	7.0	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	72		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1900	MPa	ISO 527-2/1
Tensile Stress (Yield)	38.0	MPa	ISO 527-2/50
Tensile Strain			ISO 527-2
Yield	7.0	%	
Break	20	%	
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	50	µm	

Secant Modulus - MD ¹ (50 μm, Cast Film)	900	MPa	ASTM D882
Tensile Strength - MD ²			ASTM D882
Yield, 50 μm, Cast Film	22.0	MPa	
Break, 50 μm, Cast Film	37.0	MPa	
Tensile Elongation - MD ³			ASTM D882
Yield, 50 μm, Cast Film	7.0	%	
Break, Cast Film	860	%	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	106	°C	ISO 75-2/B
Vicat Softening Temperature	158	°C	ISO 306/A50
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 50.0 μm, Cast Film)	69		ASTM D2457
Haze (50.0 μm, Cast Film)	5.0	%	ASTM D1003
NOTE			
1.	25 mm/min		
2.	500 mm/min		
3.	500 mm/min		

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