

# Koylene ADL AM650N

Polypropylene Homopolymer

Reliance Industries Limited

## Message:

Koylene ADL AM650N is polypropylene homopolymer suitable for injection moulded products requiring appropriate balance of toughness and rigidity. Its ease of mouldability, good mechanical and thermal properties make it a material of choice.

FOOD CONTACT APPLICATIONS: This grade meets with the requirements of Indian Standard IS: 10910 on "Specifications for Polypropylene and its copolymers for its safe use in contact with foodstuffs, pharmaceuticals and drinking water". The grade also complies with FDA regulation : CFR TITLE 21 - 177.1520, on olefin polymers.

General Information			
Features	Food Contact Acceptable		
	Good Moldability		
	Good Toughness		
	High Isotactic		
	High Rigidity		
	Homopolymer		
Uses	Closures		
	Media Packaging		
	Thin-walled Parts		
Agency Ratings	FDA 21 CFR 177.1520		
Appearance	Natural Color		
Forms	Spheres		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.905	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	65	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Yield, 3.20 mm, Injection Molded)	35.0	MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Yield, 3.20 mm, Injection Molded)	12	%	ASTM D638
Flexural Modulus <sup>3</sup> (3.20 mm, Injection Molded)	1400	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm, Injection Molded)	44	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	152	°C	ASTM D1525
Injection	Nominal Value	Unit	

Rear Temperature	180	°C
Middle Temperature	190	°C
Front Temperature	205	°C
Nozzle Temperature	215	°C
Mold Temperature	40.0 to 80.0	°C
Injection Pressure	58.8 to 98.1	MPa

#### NOTE

1. Type I
2. Type I
3. Type I

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#### Recommended distributors for this material

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