

# Koylene ADL-CP AER003N

Polypropylene Copolymer

Reliance Industries Limited

## Message:

Koylene ADL-CP is the brand name of polypropylene Copolymer spheribeads with external addition manufactured and marketed by IPCL from its facility at Baroda complex through Spheripol/ Addipol technology adopting the process know-how of M/S Basell, The Netherlands .

Koylene ADL-CP AER003N is a Random Copolymer grade manufactured to produce Pipes for Pressure applications, Sheets for Thermoforming and Extrusion Blow moulding

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". Additives incorporated in this grade conform to the positive list of constituents as prescribed in IS 10909. The grade and the additives also comply with the FDA : CFR Title 21, 177.1520, Olefin polymers.

General Information			
Features	Copolymer		
	Compliance of Food Exposure		
Uses	Blow molding applications		
	Piping system		
	Sheet		
Agency Ratings	FDA 21 CFR 177.1520		
Appearance	Natural color		
Forms	Sphere		
Processing Method	Extrusion blow molding		
	Thermoforming		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.900	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR)			ASTM D1238
230°C/2.16 kg	0.30	g/10 min	ASTM D1238
230°C/5.0 kg	1.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Yield, 3.20 mm, Injection Molded)	27.0	MPa	ASTM D638
Tensile Elongation <sup>2</sup>			ASTM D638
Yield, 3.20mm, injection molding	14	%	ASTM D638
Fracture, 3.20mm, injection molding	500	%	ASTM D638
Flexural Modulus <sup>3</sup> (3.20 mm, Injection Molded)	850	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm, Injection Molded)	600	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load (0.45 MPa, Unannealed, 3.20 mm, Injection Molded)	92.0	°C	ASTM D648
Vicat Softening Temperature	130	°C	ASTM D1525

#### Additional Information

Tensile Elongation @ Brk, Injection Molded, Type I, 3.20 mm: > 500%

#### NOTE


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

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## Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519  
Phone: +86 13424755533  
Email: sales@su-jiao.com  
No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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