

# Formolene® 1102K

High Crystallinity Polypropylene

Formosa Plastics Corporation, U.S.A.

## Message:

Formolene® 1102K is a high molecular weight, highly isotactic, polypropylene homopolymer designed for extrusion processes, notably biaxially oriented film (BOPP). It contains a unique combination of stabilizers, which provides excellent processability and good end use performance. It does not contain slip or antiblock.

Formolene® 1102K meets all requirements of the U. S. Food and Drug Administration as specified in 21 CFR 177.1520, covering safe use of polyolefin articles and components of articles intended for direct food contact.

General Information			
Additive	Processing Aid		
Features	Food Contact Acceptable		
	Good Processability		
	High Isotactic		
	High Molecular Weight		
	Homopolymer		
Uses	Bi-axially Oriented Film		
Agency Ratings	EC 1907/2006 (REACH)		
	FDA 21 CFR 177.1520		
Forms	Pellets		
Processing Method	Film Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, Injection Molded)	105		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Yield, Injection Molded)	34.0	MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Yield, Injection Molded)	10	%	ASTM D638
Flexural Modulus - 1% Secant <sup>3</sup> (Injection Molded)	1380	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, Injection Molded)	53	J/m	ASTM D256
NOTE			
1.	50 mm/min		
2.	50 mm/min		

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#### Recommended distributors for this material

### 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

