

Formolene® 1103k

Polypropylene Homopolymer
Formosa Plastics Corporation, U.S.A.

Message:

Formolene® 1103K is a high molecular weight, highly isotactic, polypropylene homopolymer designed for extrusion processes notably slit tape applications. It contains a unique combination of stabilizers, which provides excellent processability and good end use performance. It contains neither slip nor anti-block.

Formolene® 1103 K 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			
Features	Food Contact Acceptable		
	Good Processability		
	High Isotactic		
	High Molecular Weight		
	Homopolymer		
Uses	Tape		
Agency Ratings	EC 1907/2006 (REACH)		
	FDA 21 CFR 177.1520		
Forms	Pellets		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	4.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	105		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	33.1	MPa	ASTM D638
Tensile Elongation ² (Yield)	9.0	%	ASTM D638
Flexural Modulus - 1% Secant ³	1240	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	43	J/m	ASTM D256
NOTE			
1.	50 mm/min		
2.	50 mm/min		
3.	1.3 mm/min		

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