

# Advanced-PP 1101S

Polypropylene Homopolymer  
Advanced Petrochemical Company

Message:

Advanced-PP 1101 S is a polypropylene homopolymer fibre grade characterized by high flowability, medium molecular weight distribution. Advanced-PP 1101 S is particularly suitable for the production of continuous filaments (CF) and bulked continuous filaments (BCF) with phenol free anti gas fading stablization & inherent UV stability.

Application  
CF/BCF

Regulatory Information:  
The Grade Advanced-PP 1101S and additives incorporated comply with United States FDA Regulation 21CFR 177.1520 Olefin Polymers and European Regulation (EU) 10/2011. Specific information is available upon request.

General Information	
Additive	Unspecified Stabilizer
Features	Gas-fading Resistant
	Good UV Resistance
	High Flow
	Homopolymer
	Med.-Wide Molecular Weight Distrib.
Uses	BCF Yarn
	Filaments
Agency Ratings	EU 10/2011
	FDA 21 CFR 177.1520

Physical	Nominal Value	Unit	Test Method
Density	0.910	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	24	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 358/30)	78.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1500	MPa	ISO 527-2/1
Tensile Stress (Yield)	35.0	MPa	ISO 527-2/50
Tensile Strain			ISO 527-2/50
Yield	8.0	%	
Break	> 50	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	2.5	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	110	kJ/m <sup>2</sup>	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method

Heat Deflection Temperature (0.45 MPa, Unannealed)	85.0	°C	ISO 75-2/B
Vicat Softening Temperature	154	°C	ISO 306/A50
Melting Temperature (DSC)	163	°C	ISO 3146

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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

