Advanced-PP 1101P

Polypropylene Homopolymer

Advanced Petrochemical Company

Message:

Advanced-PP 1101P is a propylene homopolymer fibre grade characterized by medium flowability, medium molecular weight distribution and medium crystallinity providing excellent and consistent process and product behaviour. Advanced-PP 1101P is particularly suitable for the production of staple fibre, bulked continuous filaments (BCF), continuous filaments (CF) and industrial spunbond nonwovens (NW). The product is comprised ofan advanced pheno free stabiliser package providing superior gasfading resistance and inherent basic UV-stability.
Application
BCF / CF
Regulatory Information:
The Grade Advanced-PP 1101P 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 Homopolymer Medium Flow Semi Crystalline		
Uses	BCF Yarn Filaments Nonwovens Spun Bonding Staple Fibers		
Agency Ratings	EU 10/2011 FDA 21 CFR 177.1520		
Processing Method	Spunbond Nonwovens		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	0.910	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	18	g/10 min	ISO 1133
Hardness	**Nominal Value**	**Unit**	**Test Method**
Ball Indentation Hardness (H 358/30)	70.0	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	10	%	

Break	> 50	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	2.5	kJ/m^2	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	120	kJ/m^2	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

Recommended distributors for this material

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WECHAT