

Advanced-PP 1102LQ

Polypropylene Homopolymer
Advanced Petrochemical Company

Message:

Advanced-PP 1102LQ is a propylene homopolymer with narrow MFR and general extrusion additivition. It is specifically designed for stretched tape yarn, carpet backing and artificial grass. Also suited for Raffia & Thermoforming Applications.

Application

Thermoformed Parts, Raffia, Carpet backing & General Extrusion.

Regulatory Information:

The Grade Advanced-PP 1102LQ 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			
Features	Homopolymer		
Uses	Carpet Backing		
	Tape		
	Yarn		
Agency Ratings	EU 10/2011		
	FDA 21 CFR 177.1520		
Processing Method	Extrusion		
	Thermoforming		
Physical	Nominal Value	Unit	Test Method
Density	0.910	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	4.5	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 358/30)	74.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1500	MPa	ISO 527-2/1
Tensile Stress (Yield)	34.0	MPa	ISO 527-2/50
Tensile Strain			ISO 527-2/50
Yield	9.0	%	
Break	> 50	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	3.5	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	140	kJ/m ²	ISO 179/1eU
Notched Izod Impact Strength (23°C)	3.5	kJ/m ²	ISO 180/1A
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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