

## Data Sheet Advanced-PP 1151 K

### Description

Advanced-PP 1151K is a propylene homopolymer for high transparency thermoforming applications with enhanced optical appearance. The resin is nucleated and contains antistatic agent. The product provides enhanced processability

### Applications

Thermoformed packaging for e.g. dairy products and desserts.

### Regulatory Information:

The Grade Advanced-PP 1151K and additives incorporated comply with United States FDA Regulation 21CFR 177.1520 Olefin Polymers and European Regulation (EU) 10/2011 (and its amendments). Specific information is available upon request.

### Properties ( Typical values)

Properties	Unit	Test method	Value
<b>Melt Flow Rate</b>			
Melt flow rate (230°C / 2.16 KG)	g / 10 min	ISO 1133	3.0
<b>Mechanical Properties</b>			
Tensile modulus of elasticity (v= 1 mm/min)	MPa	ISO 527-2	1600
Tensile stress at yield (v= 50 mm/min)	MPa	ISO 527-2	36
Tensile strain at yield (v= 50 mm/min)	%	ISO 527-2	9
Tensile strain at break (v= 50 mm/min)	%	ISO 527-2	>50
Tensile Modulus (1% Secant)	MPa	ASTM D 790	1600
Charpy impact strength notched (+23°C)	kJ/m <sup>2</sup>	ISO 179/1eA	4.5
Ball indentation hardness ( H 358/30)	MPa	ISO 2039-1	90
<b>Thermal Properties</b>			
Melting point, DSC	°C	ISO 3146	164
Heat deflection temperature ----- HDT/B ( 0.45 Mpa)	°C	ISO 75-2	100
Vicat softening temperature ----- VST/A50 (10 N)	°C	ISO 306	150
<b>Other Properties</b>			
Density	g / cm <sup>3</sup>	ISO 1183	0.91

Values given here are typical and should not be interpreted as specification. In a view of many factors that may affects processing and application, these data do not relieve the receiver to this information from the responsibility of carry out their own test and experiments; neither do they imply any legally binding assurance of certain properties or of suitability for specific purpose of the product made with or on the basis of the information in this publication.

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