Data Sheet Advanced-PP 1100 N

Description
Advanced-PP 1100 N is a medium flow polypropylene homopolymer for general injection molding applications.

Application
Closures,Furniture, Housewares, General injection molding.

Regulatory Information:
The grade Advanced-PP 1100N 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
Melt Flow Rate			
Melt flow rate (230°C / 2.16 KG)	g / 10 min	ISO 1133	12
Mechnical Properties			
Tensile modulus of elasticity (v= 1 mm/min)	MPa	ISO 527-2	1550
Tensile stress at yield (v= 50 mm/min)	MPa	ISO 527-2	35
Tensile strain at yield (v= 50 mm/min)	%	ISO 527-2	8
Tensile strain at break (v= 50 mm/min)	%	ISO 527-2	>50
Charpy impact strength unnotched (+23°C)	kJ/m^2	ISO 179/1eU	110
Charpy impact strength notched (+23°C)	kJ/m^2	ISO 179/1eA	3.0
Izod Impact strength notched (+23°C)	kJ/m^2	ISO 180/1A	3
Ball indentation hardness (H 358/30)	MPa	ISO 2039-1	78
Thermal Properties			
Melting point, DSC	°C	ISO 3146	163
Heat deflection temperature ---------- HDT/B (0.45 Mpa)	°C	ISO 75-2	85
Vicat softening temperature ---------- VST/A50 (10 N)	°C	ISO 306	154
Other Properties			
Density	g / cm^3	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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