

Data Sheet Advanced-PP 1102 K

Description

Advanced-PP 1102K is a polypropylene homopolymer for extrusion and thermoforming applications. extremely low water carry-over is a special advantage for the production of raffia tapes.

Applications

Raffia, Thermoformed parts, Tape yarns, monofilament, strapping.

Regulatory Information:

The Grade Advanced-PP 1102K 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	3.4
Mechanical Properties			
Tensile modulus of elasticity (v= 1 mm/min)	MPa	ISO 527-2	1500
Tensile stress at yield (v= 50 mm/min)	MPa	ISO 527-2	34
Tensile strain at yield (v= 50 mm/min)	%	ISO 527-2	9
Tensile strain at break (v= 50 mm/min)	%	ISO 527-2	>50
Charpy impact strength unnotched (+23°C)	kJ/m ²	ISO 179/1eU	190
Charpy impact strength notched (+23°C)	kJ/m ²	ISO 179/1eA	4.0
Ball indentation hardness (H 358/30)	MPa	ISO 2039-1	74
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.

Mar'20

Advanced Petrochemical Company
Saudi Joint Stock Company

Headquarters - Dammam P.O. Box 7215 Dammam 31462 Saudi Arabia
Jubail P.O. Box 11022 Jubail 31961 Saudi Arabia
Tel: +966 13 359 1000 Fax: +966 13 356 6065 C.R. 2055008094
Paid up capital: S.R. 1,967,940,000.00

الشركة المتقدمة للبتروكيماويات
شركة مساهمة سعودية

المركز الرئيسي - الدمام ص.ب. ٧٢١٥ - الدمام ٣١٤٦٢ المملكة العربية السعودية
الجبيل ص.ب. ١١٠٢٢ - الجبيل ٣١٩٦١ المملكة العربية السعودية
هاتف: ٣٥٩١٣٣٠٠٠ +٩٦٦ فاكس: ٣٥٦٦٦٦٠٠ +٩٦٦ س.ت. ٨٠٩٤٠٠٠٠
رأس المال المدفوع: ١,٩٦٧,٩٤٠,٠٠٠