

Polypropylene

TECHNICAL DATA SHEET

Petrochemical Industries Company K.S.C.



AVAILABILITY

Qurain® Polypropylene is available in polyethylene bags with a net weight of 25kg each in a wrapped palletized form. It can also be provided in IBC, intermediate bulk containers to users upon request.

SAFETY

Polypropylene is practically non-toxic and under normal conditions of use it is non-hazardous. However, contact with product fines and heated vapors should be avoided. Adequate ventilation must be employed and exhaust hoods should be installed over processing machines. Material safety data sheets containing more detailed information are available from PIC. We urge you to read our product safety information and enforce good housekeeping in your plant.

STORAGE

Polypropylene must be stored in a dry, shaded area at a constant temperature preferably below 40°C but not exceeding 48°C. Direct sunlight and heat should be avoided. Dust and moisture must be kept out.

FOOD APPROVAL

All Qurain® Polypropylene grades comply with the relevant directives of European Union and FDA regulations of USA for food contact usage. Detailed information on each grade is available upon request.



شركة صناعة الكيماويات البترولية (ش.م.ك.)
PETROCHEMICAL
INDUSTRIES COMPANY K.S.C.
إحدى شركات مؤسسة البترول الكويتية
A Subsidiary of Kuwait Petroleum Corporation

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Polypropylene Product Summary Data Sheet

| Products | | | RAFFIA Grade | FILM Grade | Thermoforming Grade |
|---------------------------------|--------------------|--------------|---|--|---|
| | | | Homopolymer | Homopolymer | Homopolymer |
| Resin Properties | Test Method | Units | HT031 | HF029 | HS030 |
| Melt Index [230/ I2], dg/10min | ASTM D1238 | dg/10Min | 3 | 3.4 | 3 |
| Tensile Strength @ Yield, MPa | ASTM D638 | MPa | 35 | 34 | 44 |
| Tensile Elongation @Yield, % | ASTM D638 | % | 9 | 9 | 9 |
| Flexural Modulus, MPa | ASTM D790A | MPa | 1,280 | 1,250 | 1650 |
| Rockwell Hardness , R value | ASTM D798 | R value | R102 | R102 | R102 |
| Heat Deflection Temperature, °C | ASTM D648 | °C | 101 | 101 | 119 |
| Vicat Softening Temperature, °C | ASTM D1525B | °C | 152 | 152 | 152 |
| Features | | | Low water carry over, Easy penetration of tufting needles in carpet backings, High tenacity, Good dimensional stability of tapes | Easy processability, Excellent thermal stability, Good film clarity and gloss, High purity | Excellent physical properties with high stiffness, High clarity and low haze, Excellent gloss Good, dimensional stability Easy process ability and faster cycle time High deep-dawn ability |
| Application | | | Stretched tapes from cast film extrusion process for a variety of woven products such as packaging fabrics, industrial and geotextile fabric and carpet backing. Also suitable for producing twist fibrillated ropes and twines | BOPP film for packaging foodstuff such as cereal, candy, snacks, processed cheese, meat and poultry wraps and textile packaging, bottle labels and pressure sensitive tapes and labels | Dairy cups , Disposable drinking cups , Food containers for microwave heating |

FOOD CONTACT USAGE:

can be used in food contact applications. For more detailed information and compliance certificates contact an EQUATE representative in your area.
PIC Homopolymer polypropylene Products are phthalate free

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