

Technical Data Sheet

Homopolymer 1102H

MAIN USE: EXTRUSION / BLOW MOULDING

Suitable for thermoforming, strapping tapes, film tapes, blow moulding and monofilaments.

GENERAL PROPERTIES

- ◆ Good processability
- ◆ Good stiffness
- ◆ High strength

PROPERTIES	METHOD	UNIT	VALUE
Melt Flow Index (230°C/2.16 kg.)	ISO 1133	g/10 min	1,8

MECHANICAL PROPERTIES

Flexural Modulus (1)	ISO 178	MPa	1400
Tensile strength at yield (2)	ISO 527-2	MPa	34
Elongation at yield (2)	ISO 527-2	%	9
Charpy notched Impact Strength (1) @ 23°C	ISO 179	KJ/m ²	5

THERMAL PROPERTIES

Heat Deflection Temperature HDT/A (1,80 MPa) (1)	ISO 75-2	°C	55
Heat Deflection Temperature HDT/B (0,45 MPa) (1)	ISO 75-2	°C	85

NOTES :

- (1) Injection-moulded specimen of 4 mm * 10 mm * 80 mm
- (2) Injection-moulded according to ISO 3167/A

This product complies with FDA regulations for polymeric olefins (21 CFR 177,1520) and it has SENASA approval Nr. 413-90 (Argentine National Service for Food Healthiness and Quality)..

Products for the medical/pharmaceutical sector are required to meet specific regulations. **CUYOLEN®** products were not designed to fulfill those requirements so the use of them in such applications relies entirely on customer responsibility.

This information is based on our present state of knowledge and is intended to provide general notes on this product and its use. In view of the many factors that may affect processing and application, these data do not relieve processors from the responsibility of carrying out their own tests and experiments; neither do they imply any legally binding assurance of certain properties or of suitability for a specific purpose. It is the responsibility of those to whom we supply **CUYOLEN®** to ensure that any proprietary rights and existing laws and legislation are observed.