



## ISPLEN<sup>®</sup> PP 040 G1E

ISPLEN<sup>®</sup> PP 040 G1E is a medium-low melt flow rate polypropylene homopolymer. It offers a good balance between mechanical and processing properties for production of tapes. It is formulated with an additive package suitable for protecting the polymer during extrusion process and final use.

### TYPICAL APPLICATIONS

- Low fibrillation tapes for textil uses
- Monofilaments and tapes for ropes and twines
- Sheet extrusion and thermoforming

Recommended melt temperature range from 190 to 250°C. Processing conditions should be optimised for each production line.

PROPERTIES	VALUE	UNITY	METHOD
<b>General</b>			
Melt Flow Rate (230°C/2.16 kg)	3	g/10 min	ISO 1133
Density	905	kg/m <sup>3</sup>	ISO 1183
<b>Mechanical</b>			
Flexural Modulus	1350	MPa	ISO 178
Tensile Strength at Yield	35	MPa	ISO 527-2
<b>Thermal</b>			
Vicat (9.8 N)	153	°C	ISO 306
HDT (0.45 MPa)	91	°C	ISO 75

ISPLEN<sup>®</sup> PP 040 G1E complies with the European Directives regarding materials intended for contact with foodstuffs. For further information, please contact our Technical Service and Development Laboratory or our Customer Care Service.

### STORAGE

ISPLEN<sup>®</sup> PP 040 G1E should be stored in a dry atmosphere, on a paved, drained and not flooded area, at temperatures under 60°C and protected from UV radiation. Storage under inappropriate conditions could initiate degradation processes which may have a negative influence on the processability and the properties of the transformed product.

May 2010