

Isplen® Polypropylene

Chemicals

Technical data sheet



ISPLEN® PP080A

Polypropylene homopolymer with high melt flow rate for injection applications.

ISPLEN® PP080A shows a high stiffness and a low warpage shrinkage behaviour. This product is standard stabilised and also antistatic formulated.

APPLICATIONS

- Small domestic containers.
- Rigid packages.
- Small boxes for cosmetic.
- Gardens furniture.

PROPERTIES		VALUE	UNIT	TEST METHOD
General				
MFI (230 °C, 2.16Kg)		20	g/10min	ISO 1133
Density		0,92	g/cm ³	ISO 1183
Mechanical				
Flexural Modulus of Elasticity		1300	MPa	ISO 178
Tensile Modulus of Elasticity		1300	MPa	ISO 527
Tensile Strength at Break		28	MPa	ISO 527-2
Elongation at Break		14	%	ISO 527-2
Charpy Impact Strength	23 °C notched / unnotched	2,5 / 81	KJ/m ²	ISO 179
	0 °C notched / unnotched	1,6 / 18	KJ/m ²	ISO 179
	-20°C notched / unnotched	1,6 / 14	KJ/m ²	ISO 179
	-40°C notched / unnotched	1,5 / 14	KJ/m ²	ISO 179
Izod Impact Strength	23 °C notched / unnotched	2,6 / 60	KJ/m ²	ISO 180
	0 °C notched / unnotched	2,5 / 20	KJ/m ²	ISO 180
Thermal				
Vicat (10N, 120°/h)		152	°C	ISO 306
Vicat (50N, 120°/h)		56	°C	ISO 306
HDT (T _{ff} 0,45 MPa)		81	°C	ISO 75
HDT (T _{ff} 1,8 MPa)		71	°C	ISO 75
Others				
Shrinkage, 150x100x3mm		1,2 – 1-2	%	ISO 2577
Shore D Hardness, 15s		68	°Shore	ISO 868

STORAGE

El ISPLEN® PP080A should be stored in dry atmosphere paved, drained and not flooded area at temperatures under 60 °C and protected from UV radiation. Storage under improper conditions could trigger off degradation processes, negatively influencing processability and properties of the transformed product.

November 2013

This information is offered in good faith and meant only as a guide. The transformer or user will be, in each case, responsible for the processing conditions and the final use of the product. Freedom under patents, copyright and registered designs cannot be assumed.

Technical Service and Development:
Repsol Technology Centre
Ctra. de Extremadura A5, Km 18
28931 Móstoles, Madrid
Tel. +34 91 753 86 00
atd_poliiolefinas@repsol.com

Headquarters:
Méndez Álvaro, 44
28045 Madrid
Spain
www.chemicals.repsol.com

Customer Care:
sacrq@repsol.com