



COSMOPLENE® H101E

CHARACTERISTICS

COSMOPLENE H101E is Polypropylene Homopolymer designed for high stiffness and tensile strength.

APPLICATIONS

COSMOPLENE H101E is specially designed as medium flow, high toughness grade for industrial application like automotive parts.

PHYSICAL PROPERTIES

ITEM	UNIT	H101E	TEST METHOD
Melt Flow Rate	g/10 mins	3.5	ASTM D1238
Density	g/cm ³	0.9	ASTM D792
Ultimate Strength	MPa	31	ASTM D638
Elongation	%	>400	ASTM D638
Flexural Modulus	MPa	950	ASTM D790
Izod Impact (23°C)	KJ/m ²	2.6	ASTM D256
Rockwell Hardness	R Scale	93	ASTM D785
HDT (4.6 kgf/cm ²)	°C	110	ASTM D648
Melting Point	°C	165	TPC METHOD
Shrinkage (MD/TD)	%	1.60/1.60	TPC METHOD

PROCESSING CONDITIONS

Injection Temperature	:	220 - 260°C
Injection Pressure (G)	:	70 kg/cm ²
Mold Temperature	:	40 - 50°C

- The figures presented are typical laboratory averages, only for reference.
- The information is based on our current knowledge, is subjected to continuous updates and is intended to suggest/recommend product applications and to provide typical data on the related properties. It should not therefore be construed as guaranteeing any specific property of the product. TPC makes no warranty of any kind, expressed or implied, regarding the accuracy of these data.

