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Co. Reg. No.:

COSMOPLENE® Y101H

CHARACTERISTICS

COSMOPLENE Y101H is high flow, high stiffness Polypropylene Homopolymer.

APPLICATIONS

COSMOPLENE Y101H is specially designed for injection products such as electric appliances which require heat stability under wet and hot conditions. It is good for food contact applications.

Y101H complies with U.S. FDA Regulation 21 CFR 177.1520 (C) 1.1a, as long as it is used unmodified and processed according to standard manufacturing practices in the industries.

Note : Direct food contact is subjected to the extraction provisions of the regulation on the finished contact article.

PHYSICAL PROPERTIES

ITEM	UNIT	Y101H	TEST METHOD
Melt Flow Rate	g/10 mins	15	ASTM D1238
Density	g/cm ³	0.9	ASTM D792
Melting Point	°C	165	TPC METHOD
Ultimate Strength	MPa	34.3	ASTM D638
Elongation	%	650	ASTM D638
Flexural Modulus	MPa	1,420	ASTM D790
Izod Impact (23°C)	KJ/m ²	2.5	ASTM D256
HDT (4.6 Kg/cm ²)	°C	120	ASTM D648
Flammability	-	HB	UL-94
Relative Temp. Index	°C	120	UL (E108370)

PROCESSING CONDITIONS

Injection Temperature : 220-260°C
Injection Pressure G : 70 kg/cm²
Mold Temp (°C) : 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.