



## TECHNICAL DATA SHEET

### POLYPROPYLENE

#### Y101

#### Description

Y101 is a homopolymer polypropylene intended for injection molding applications. Molded part made from this resin exhibit high stiffness, good heat resistance and good flow characteristic.

Y101 聚丙烯均聚物用于注塑应用程序。成型部分由该树脂表现出高刚度、良好的耐热性和良好的流动特性。

#### Applications

General purpose

Housewares

#### Origin

Petro Rabigh Saudi Arabia

#### Resin properties

Resin Properties 性能	Unit 单位	Test Method 检测方法	Typical Value 测试结果
MFR (230°C/2.16Kg) 融熔指数	g/10min	ASTM D123	15
Density 密度	g/cm <sup>3</sup>	ASTM D792 Method A	0.9
Tensile Strength at Yield 屈服拉伸应力	MPa	ASTM D638	34
Tensile Strength at Break 断裂拉伸应力	MPa	ASTM D638	28
Flexural Modulus 抗弯弹性	MPa	ASTM D790	1700
Izod Impact, Notched 23 °C 悬臂梁式冲击强度	kJ/m <sup>2</sup>	ASTM D256	2.0
Rockwell Hardness-R 洛氏硬度		ASTM D785	105
Vicat Softening Temperature @10N 软化点	°C	ASTM D1525	158
Heat Deflection 0.45MPa 热力偏差	°C	ASTM D648	116
Shrinkage MD/TD 收缩能力	%	SUMIKA	1.2/1.2
Flammability 可燃性		UL94	HB

\*All above mentioned data are typical values and not to be construed as real specifications. Users should confirm results by their own tests. For more information about guaranteed items, please refer to S.S.S. (Standard Sales Specifications)