



TOTAL  
道达尔



# 聚苯乙烯 Polystyrene

改性  
Compound





# 基本信息 General Information

## 标准性能 Standard properties

除非另有说明，所有测试在摄氏 23 度下进行。机械性能是通过注塑试样测定。

All the tests are carried out at 23°C unless otherwise stated. Mechanical properties are measured on injection moulded test specimens.



## 模塑收缩率 Mould shrinkage

道达尔的聚苯乙烯收缩率为 0.4 – 0.7%。  
Shrinkage of Total Polystyrene is 0.4 – 0.7%.



## 聚苯乙烯改性料 Specialities / compounds

除了通用聚苯乙烯和高抗冲聚苯乙烯外，道达尔还提供一系列含卤素的阻燃聚苯乙烯改性料，主要用于消费类电子产品，尤其是电视机前、后壳，此外也提供聚苯乙烯与其他聚合物共混合合金材料。如想了解更多详细信息，请与我们的销售代表联系。

A range of compounded products is available: flame retardant grades and halogenated for consumer goods applications (in particular for TV front and back covers) and polystyrene alloy. Please contact our commercial department for more specific information.

## UL 认证号码 UL number

E314268



## 互联网 Internet

所有牌号的性能包括工艺参数请浏览我们的网页：

[www.totalrefiningchemicals.com](http://www.totalrefiningchemicals.com)

All of the properties of the grades, in addition to processing data, can be found on our website : [www.totalrefiningchemicals.com](http://www.totalrefiningchemicals.com)



物性描述 Description Properties*	牌号 Grade	产地 Production Site	阻燃级别 Flammability	热熔指数 Melt Flow Index	维卡软化点 Vicat Temperature	热变形温度 Heat Distortion Temperature	冲击强度 IZOD Impact Strength	拉伸屈服强度 Tensile Strength at Yield	断裂伸长率 Elongation at Break	弯曲模量 Flexural Modulus	密度 Density	主要用途 Typical Applications
Units	Class		g/10min	deg C	deg C	kJ/m <sup>2</sup>	MPa	%	MPa	g/cm <sup>3</sup>		
Test Method	UL 94		ISO 1133	ISO 306	ISO 75	ISO 180	ISO 527	ISO 527	ISO 178	ISO 1183		

### 改性聚苯乙烯 (含溴, 但不含十溴二苯醚) Polystyrene Compound (Brominated Non Deca)

高耐热 High Heat Resistance	814**	China	V0 @ 1.5mm	6.5	97	77	6.5	20	40	2100	1.14	电视机壳、办公用品、电子电器 TV Cover, Office Automation, Electrical and Electronic
易流动、V0、不含十溴二苯醚 Easy Flow V0 Non Deca	815	China	V0 @ 2.0mm	10	95	75	6.5	20	45	1900	1.14	电视机壳、办公用品、电子电器 TV Cover, Office Automation, Electrical and Electronic
易流动、V0、不含十溴二苯醚,含再循环聚苯乙烯 Easy Flow V0 Non Deca, Recycled Polystyrene	815R	China	V0 @ 1.6mm	9	85-95	70-85	6	20	30	1850	1.14	电视机壳、办公用品、电子电器 TV Cover, Office Automation, Electrical and Electronic
易流动、V0、不含十溴二苯醚 Easy Flow V0 Non Deca	818E	China	V0 @ 1.6mm	9	95	75	7	20	40	1850	1.14	电视机壳、办公用品、电子电器 TV Cover, Office Automation, Electrical and Electronic
易流动、V2、不含十溴二苯醚 Easy Flow V2 Non Deca	822	China	V2 @ 2.0mm	8	93	75	6	22	60	1900	1.10	电视机壳、办公用品、电子电器 TV Cover, Office Automation, Electrical and Electronic
高流动, V0, 不含十溴二苯醚 High Flow, V0, Non Deca	881(实验版)	China	V0 @ 1.6mm	16	90	71	6	23	40	1700	1.06	电视机壳、办公用品、电子电器 TV Cover, Office Automation, Electrical and Electronic

### 聚苯乙烯合金改性物 Polystyrene Compound (Alloy)

特耐冲击聚苯乙烯合金 Super Impact Polystyrene Alloy	9217	China	-	5	97	75	40	22	100	1100	1	电子包装、导电材料载体 Electronics Packaging, Base Resin for Conductive Compound
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### 聚苯乙烯改性物 (绿色产品) Polystyrene Compound (Green Product)

含 25% 再生聚苯乙烯 25% Recycle PS	260-25	China	HB	6 - 9	85 - 95	70 - 85	6.5 - 8.5	25 - 27	25 - 40	1800 - 2200	1.02 - 1.04	电视机壳、办公用品、电子电器 TV Cover, Office Automation, Electrical and Electronic
含 75% 再生聚苯乙烯 75% Recycle PS	260-75	China	HB	5 - 10	85 - 95	70 - 85	7.6 - 9.8	22 - 30	30 - 55	1700 - 2300	1.02 - 1.04	电视机壳、办公用品、电子电器 TV Cover, Office Automation, Electrical and Electronic
含 90% 再生聚苯乙烯 90% Recycle PS	260-90	China	HB	5 - 8	85 - 95	70 - 85	6 - 9	20 - 30	25 - 40	1800 - 2400	1.02 - 1.04	电视机壳、办公用品、电子电器 TV Cover, Office Automation, Electrical and Electronic

\* 所有数值均按照道达尔标准方式检测  
All properties are measured at Total RC Laboratory following standard procedures  
\*\* 5VA @ 2.5mm



# 聚苯乙烯市场的国际领先者

道达尔是全球聚苯乙烯的主要生产商，工厂遍及欧洲、亚洲和美国。在中国，道达尔除了位于佛山的 20 万吨 / 年工厂之外，现正于宁波投资 20 万吨年产能生产线。集团积极为客户提供优越的技术支持，协助其发展业务。

聚苯乙烯是现今日常生活不可或缺的塑料，能广泛应用于包装、家居电器及电子产品。道达尔聚苯乙烯技术，可生产**通用聚苯乙烯**（高刚性和透明，可应用于硬质包装、工业片材和隔热板材等）以及**高抗冲聚苯乙烯**（一般是坚硬有色塑料，可应用于乳制品包装、电子产品和冷箱等）。

道达尔拥有超过 45 年聚苯乙烯生产、研发和销售的国际经验，能为中国市场提供卓越的优质聚合产品生产技术，满足多方面的不同应用。

## Polystyrene Market Leader Worldwide

Total is a major worldwide producer of polystyrene with global production facilities in Europe, Asia and the United States. In China, in addition to the Foshan plant with a capacity of 200kTa, Total is investing in Ningbo a new line of 200kTa. Total is dedicated to support its customers for their business growth by providing the advantaged technical service assistance.

Polystyrene, a standard plastic indispensable to daily life in today's world, is principally used in packaging, domestic appliances and electronics. The Total polystyrene technology produces both **general purpose polystyrene**, which is a rigid and transparent material used in applications such as rigid packaging, industrial sheets and insulation, and **high impact polystyrene**, which is generally a tough coloured plastic used, for example, for dairy packaging, electronics and refrigeration applications.

With more than 45 years of polystyrene worldwide manufacturing, R&D, and sales experiences, Total provides the Chinese market with a state-of-art technology to produce superior performance polymers well suited for a wide range of applications.



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## 道达尔

### 世界大型石油、天然气、化工一体化企业

道达尔是全球大型上下游一体化能源公司之一，业务遍布130多个国家，涉及整个能源链上下游多个环节，共分为三大主要板块：**上游**（勘探与生产、天然气与电力），**炼油与化工**（炼油与化工、交易与船务），以及**营销与服务**（营销与服务、新能源）。安全、道德、社会责任、环保以及提供创新解决方案，是集团落实高效运营、让客户受惠的基础。

## Total

### an integrated oil, gas and chemicals world major

Total is one of the world's biggest global and integrated energy companies. The Group operates in more than 130 countries and across the entire energy value chain through its three business segments: **Upstream** (Exploration & Production; Gas & Power), **Refining & Chemicals** (Refining & Chemicals; Trading & Shipping), and **Marketing & Services** (Marketing & Services; New Energies). Safety, ethics, social responsibility, environmental protection and innovations are the cornerstones for the Group's operations excellence goals as well as meeting the customers' needs.

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