

# TOTAL Polystyrene Impact 3441

高抗冲聚苯乙烯

TOTAL Refining & Chemicals

## Technical Data

### Product Description

TOTAL POLYSTYRENE 3441 is a high heat resistance, high stiffness high impact polystyrene for extrusion and injection molding applications. Due of its ideal balance of properties this grade is well suited for the production of articles requiring good dimension stability at high temperature and short cycle times.

#### Applications

- TV Back Cover
- Office Automation
- Electrical and Electronic
- Toy

### General

Features	<ul style="list-style-type: none"><li>• 尺寸稳定性良好</li><li>• 高刚性</li></ul>	<ul style="list-style-type: none"><li>• 高抗撞击性</li><li>• 快的成型周期</li></ul>	<ul style="list-style-type: none"><li>• 耐热性，高</li></ul>
Uses	<ul style="list-style-type: none"><li>• 电气/电子应用领域</li><li>• 电视外壳</li></ul>	<ul style="list-style-type: none"><li>• 商务设备</li><li>• 玩具</li></ul>	
Forms	<ul style="list-style-type: none"><li>• 粒子</li></ul>		
Processing Method	<ul style="list-style-type: none"><li>• 挤出</li></ul>	<ul style="list-style-type: none"><li>• 注射成型</li></ul>	

### Physical

	额定值 单位制	测试方法
Density	1.04 g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	5.0 g/10 min	ISO 1133
Spiral Flow <sup>4</sup>	48.0 cm	
Molding Shrinkage	0.40 到 0.70 %	No Standard
Water Absorption (平衡, 23°C, 50% RH)	0.070 %	ISO 62

### Mechanical

	额定值 单位制	测试方法
Tensile Stress (屈服)	30.0 MPa	ISO 527-2
Tensile Strain (断裂)	45 %	ISO 527-2
Flexural Modulus	1900 MPa	ISO 178

### Impact

	额定值 单位制	测试方法
Notched Izod Impact Strength	11 kJ/m <sup>2</sup>	ISO 180

### Hardness

	额定值 单位制	测试方法
Rockwell Hardness (R 计秤)	99	ISO 2039-2

### Thermal

	额定值 单位制	测试方法
Vicat Softening Temperature	100 °C	ISO 306/A50

### Electrical

	额定值 单位制	测试方法
Surface Resistivity	> 1.0E+13 ohms	IEC 60093
Electric Strength	150 kV/mm	No Standard

### Flammability

	额定值 单位制	测试方法
Flame Rating	HB	UL 94

### Injection

	额定值 单位制
Drying Temperature	70 °C
Drying Time	2.0 hr
Processing (Melt) Temp	< 240 °C



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Extrusion	额定值 单位制
Drying Temperature	70 °C
Drying Time	2.0 hr
Melt Temperature	< 240 °C

