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**Thermoplastic Polyurethane**  
**热塑性聚氨酯**

**Technical DataSheet**  
**技术数据表**

<b>ProductName</b> 产品名称	<b>E-385AL</b>
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**Polyether TPU-E-300AL Series/ 聚醚型TPU – E-300系列**

Used for injection molding ,extrusion ,tape-casting process  
可注塑、挤出、流延加工  
Low-temperature resistance ,good toughness hydrolysis-resistant ,fungus resistance  
低温、柔韧性、耐水解、耐霉性

**Applications**  
应用

Typical application :thin film,water polo ,electric wire ,fire-hose ,marine probe tube ,etc  
典型用途：薄膜、水球、电线、消防水带、海洋探管等产品

Physical Properties 物理特性	Test Standard 测试标准	Unit 单位	Typical Value* 平均值
Density 密度	ASTM D792	g/cm <sup>3</sup>	1.13±0.02
Shore Hardness 肖氏硬度	ASTM D2240	Shore A Shore D	85±2 A
Tensile Strength 拉伸强度	ASTM D412	Kgf/cm <sup>2</sup>	280
Elongation at Break 最大伸长	ASTM D412	%	500
100% Tensile Strength 拉伸强度@100%伸长	ASTM D412	Kgf/cm <sup>2</sup>	60
300% Tensile Strength 拉伸强度@300%伸长	ASTM D412	Kgf/cm <sup>2</sup>	110
Tear Strength 撕裂强度	ASTM D624	Kgf/cm	95
Abrasion Loss 磨擦损耗	DIN 53516	mm <sup>3</sup>	70

**Molding Conditions 成型条件**

Drying 干燥	Drying Temperature 干燥温度	100°C
	Drying Time 干燥时间	2-4hrs
Processing 成型	Processing Temperature 建议成型温度	170-190 °C
	Processing Mold 建议成型方式	Injection Molding 注塑成型

\* Typical values, should not equal to the true values, different processing and test conditions will result in the difference values, please confirm all results by own tests.  
平均值, 不能等同于真实值, 不同的加工过程和测试条件将会导致不同的结果, 请亲自测试以进行确认.

Note: Additional information (Storage, Drying, processing, Coloring, Post Treatment, Recycling, etc.), please contact our sales representative or technical service representative.  
存贮, 干燥, 加工, 着色, 后处理, 再生等更详细的信息请联系我们的销售代表和技术服务代表.