



名称: **PA1012**
 牌号: **TP 1012**

产品简介 Product Description	主要应用 Applications
PA1012 相对密度较小, 所有尼龙中吸水率最低, 较好的透明度, 较高韧性及强度, 优良的耐磨性, 较小的成型收缩率, 良好的成型加工性及尺寸稳定性, 耐化学品性能优异 PA1012 has a relatively low relative density, the lowest water absorption rate among all nylons, better transparency, higher toughness and strength, excellent wear resistance, smaller molding shrinkage, good molding processability and dimensional stability, and excellent chemical resistance.	涂覆应用 Coating applications 挤出管材 Extruded pipes 纺织配件 Textile accessories 风电行业 Wind power industry 5G 通讯 5G communications 汽车部件 Automotive parts
transparent	·Good mechanical properties balance

性能 Properties	测试标准 Test Method	测试条件 Test Condition	单位 Unit	典型值 Typical Values
物理性能 Physical properties				
密度 Density	ISO 1183		kg/m ³	1.02
机械性能 Mechanical properties				
拉伸强度 Tensile Strength	ISO 527		kJ/m*	50
弯曲强度 Bending strength	ISO 178		MPa	60
断裂伸长率 Elongation rate at break	ISO 527		%	240
简支梁缺口冲击强度 Charpy notched Impact Strength 23° C	ISO 179		kJ/m ²	10
简支梁无缺口冲击强度 Charpy unnotched Impact Strength 23°	ISO 179		kJ/m ²	NB
弯曲模量 Flexural modulus	ISO 178		%	1500
热性能 Thermal properties				
熔点 melt point			°C	185
热变形温度 Heat deformation temperature	ISO 75	0.45 MPa		145