

EPONE Engineering Plastics

National innovation fund project enterprise

ISO9001:2008 certificated

ISO/TS16949 certificated

ZGDBGLD PA6X-N

产品定义: tough PA6

产品特点: 吹塑级尼龙 6, 具有突出的耐低温性能和冲击韧性, 抗燃油渗透率极低 ($< 2\text{g}/\text{m}^2 \cdot 24\text{h}$).

产品应用: 汽车/摩托车油箱、发动机进/排气管等

ZGDBGLD PA6X-N is toughened PA6 for blow molding, it exhibits prominent low-temperature endurance and anti-impact strength, otherwise, it gets extremely low fuel permeability. ($< 2\text{g}/\text{m}^2 \cdot 24\text{h}$).

Product applications: vehicle oil tank, vehicle intake / exhaust pipe, etc

典型成型条件

typical molding process

干燥 dry	鼓风烘箱(drum wind oven): 100-120°C, 6-8h ; 热风循环(cycling warm air): 100-120°C, 6-8h ; 真空烘箱(vacuum drying oven): 100-120°C, 4-6h
加工温度 processing temperature	入料段(feed section): 215-225°C; 熔融段(compressing section): 230-280°C; 射嘴段(metering section): 200-230°C
背压 back pressure	---
注射压力 injection pressure	---
保压压力 packing pressure	---
模具温度 mold temperature	---
后处理 post treatment	---
其它 others	---

以上数据仅供参考

All the information provided by EPONE only for reference

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产品性能参数

product performance parameters

性能 (properties)	测试标准 (test standard)	单位 (unit)	数据 (test result)
物理性能 (physical properties)			
密度 density	ISO 1183	g/cm ³	1.04
熔点 melting temperature	ISO 11357	°C	220
吸湿性 absorption of moisture			
24 hours in 23°C water	ISO 62	%	---
成型收缩率 molding shrinkage			
纵向 normal	ISO 25557/1	%	1.17
横向 parallel	ISO 25557/1	%	1.15
机械性能 (mechanical properties)			
冲击 impact strength			
无缺口冲击强度 non-notched	ISO 179	kJ/M ²	NB
缺口冲击强度 notched	ISO 180	kJ/M ²	120
拉伸 tensile			
断裂强度 tensile strength	ISO 527-2	MPa	45
断裂伸长率 elongation at break	ISO 527-2	%	400
弯曲 flexural			
断裂强度 flexural strength	ISO 178	MPa	50
弯曲弹性模量 flexural modulus	ISO 178	MPa	1300
硬度 hardness			
洛氏硬度 rockwell hardness	ISO 2039-2	R	100
电气性能 (electrical properties)			
体积电阻率 volume resistivity	IEC 60093	Ω.cm	10 ¹⁵
表面电阻率 surface resistivity	IEC 60093	Ω	10 ¹³
介电强度 dielectric strength	IEC 60243	kV/mm	15
燃烧性能 (flammability properties)			
阻燃 flame retardant	UL 94	—	HB
汽油渗透量 gasoline through quantity	GB1037-88	g/m ² · 24h	1.35

除特别说明外，以上数据均指在环境相对湿度 (RH) =0 及 23°C 条件下测得
以上数据为典型值，仅供参考，不作质量保证之承诺。

All the data above was measured at 23°C and RH=0 unless otherwise stated, all is typical data, only for reference,
not the permit of quality assurance.

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