

RILSAMID®

AESNO P40 TL

PA12-P, EHL, 22-004

Rilsamid® AESNO P40 TL树脂 是一种天然聚酰胺。该黑色牌号经过增塑，适用于管材挤出。

依据DIN 73378标准，Rilsamid® AESNO P40 TL树脂 属于PA12-PHL 类别。

性能	干 / 已调节	单位	测试标准
流变性能			
熔体体积流动速度	16 / *	cm³/10min	ISO 1133
温度	235 / *	°C	-
	455 / *	°F	-
载荷	5 / *	kg	-
	11 / *	lb	-
机械性能			
拉伸模量	430 / 380	MPa	ISO 527-1/-2
	62400 / 55100	psi	
屈服应力	26 / 23	MPa	ISO 527-1/-2
	3770 / 3340	psi	
屈服伸长率	24 / 26	%	ISO 527-1/-2
名义断裂伸长率	>50 / >50	%	ISO 527-1/-2
简支梁冲击强度, +23°C	- / 无断裂	kJ/m²	ISO 179/1eU
简支梁冲击强度, -30°C	- / 无断裂	kJ/m²	ISO 179/1eU
简支梁缺口冲击强度, +23°C	- / 无断裂	kJ/m²	ISO 179/1eA
简支梁缺口冲击强度, -30°C	- / 5	kJ/m²	ISO 179/1eA
	- / 2.38	ftlb/in²	
冲孔最大力, -30°C	- / 5600	N	ISO 6603-2
冲孔功, -30°C	- / 60	J	ISO 6603-2
热性能			
熔融温度, 10°C/min	174 / *	°C	ISO 11357-1/-3
热变形温度, 1.80 MPa	46 / *	°C	ISO 75-1/-2
	115 / *	°F	
热变形温度, 0.45 MPa	90 / *	°C	ISO 75-1/-2
	194 / *	°F	
维卡软化温度, 50°C/h 50N	130 / *	°C	ISO 306
	266 / *	°F	
线性热膨胀系数, 平行	140 / *	E-6/K	ISO 11359-1/-2
电性能			
体积电阻率	- / 1E9	Ohm* m	IEC 62631-3-1

Arkema France - A French "société anonyme", registered in the Nanterre (France) Trade and Companies Register under the number 319 632 790 SDC/11-2018
Source: automatically generated TDS from Material Database on 20-02-2024

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AESNO P40 TL

表面电阻率	* / 5E11	Ohm	IEC 62631-3-2
介电强度	- / 24	kV/m	IEC 60243-1
	- / 610	kV/in	
相对耐漏电起痕指数, CTI	* / 600	-	IEC 60112
其它性能			
吸水性, 23°C, immersion, equilibrium	1.2 / *	%	ISO 62
密度	1030 / 1030	kg/m³	ISO 1183
	1.03 / 1.03	g/cm³	

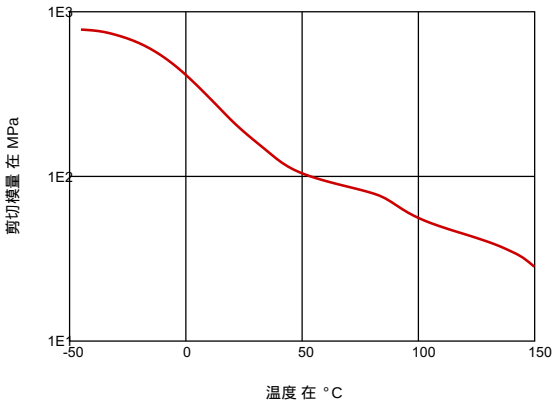
Main applications:
 Air brake.
 Tubing for use in motor vehicles

Packaging:
 This grade is delivered dried in sealed packaging (25 kg bags) ready to be processed.

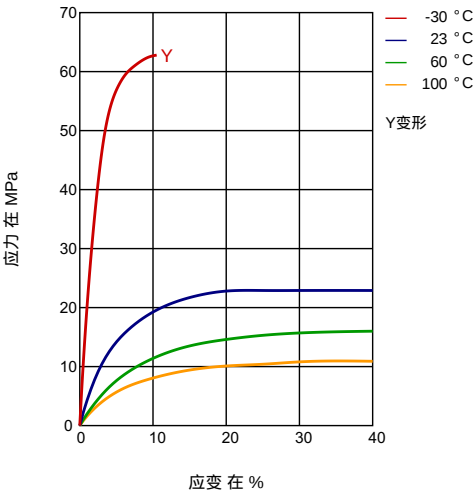
Shelf life:
 Two years from the date of delivery. for any use above this limit, please refer to our technical services.

图表

动态剪切模量 - 温度



应力 - 应变.

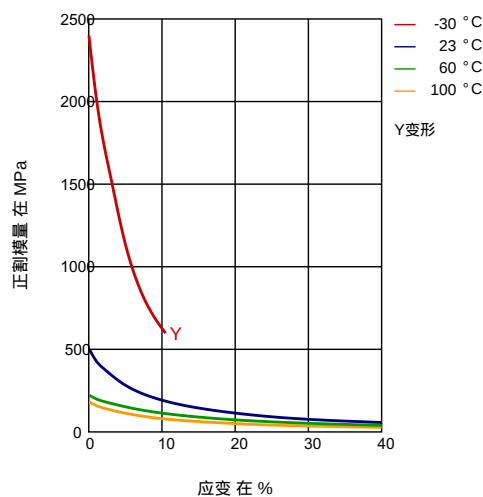


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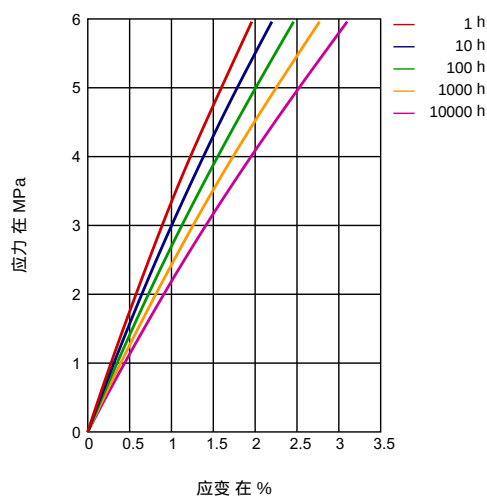
RILSAMID[®]

AESNO P40 TL

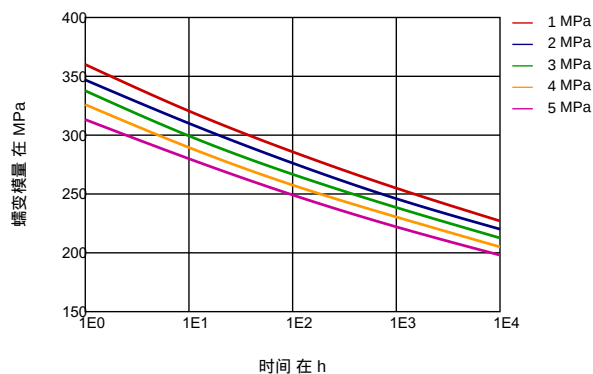
正割模量 - 应变.



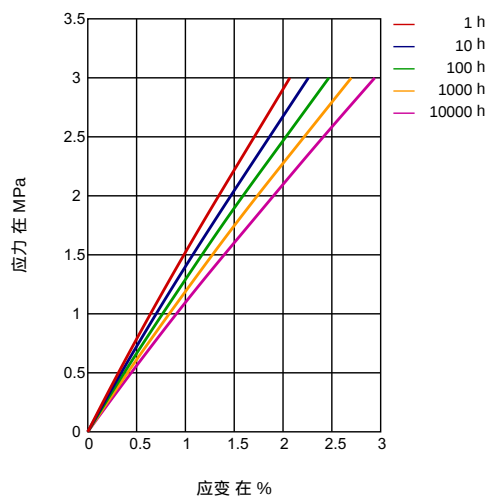
应力 - 应变(等时的) 73°F



蠕变模量 - 时间. 73°F



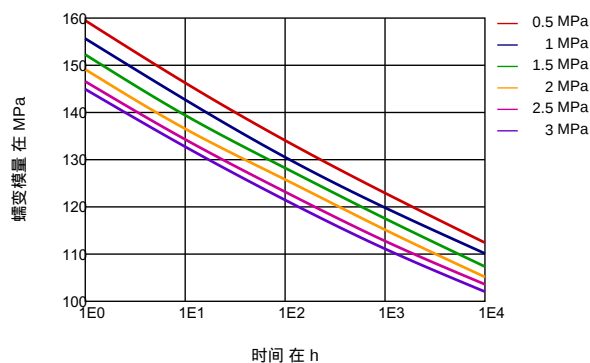
应力 - 应变(等时的) 176°F



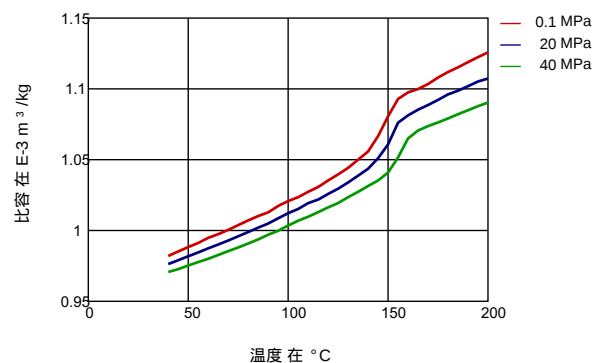
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AESNO P40 TL

蠕变模量 - 时间. 176°F



比容 - 温度(PVT)



Processing conditions, Extrusion :

- Typical melt temperature (Min / Recommended / Max) : 210°C / 230°C / 260°C.

- Drying time and temperature (only necessary for bags opened for more than two hours) : 4-8 hours at 80°C.

加工方法 注塑, 异型材挤出成型, 其它挤出成型	Headquarters: Arkema France 420 rue d'Estienne d'Orves 92705 Colombes Cedex France T +33 (0)1 49 00 80 80 hpp.arkema.com Arkema Inc. – High Performance Polymers 900 First Avenue King of Prussia, PA 19406 Tel.: +1 610 205 7000 hpp.arkema.com
供货形式 粒料	
添加剂 润滑剂, 增塑剂	
特殊性能 热稳定, 光稳定	
地区供应 北美, 欧洲, 亚太, 中南美洲, 中东/非洲	

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