

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

RILSAMID[®]

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/m ³	ISO 1183
	1.03 / 1.03	g/cm ³	

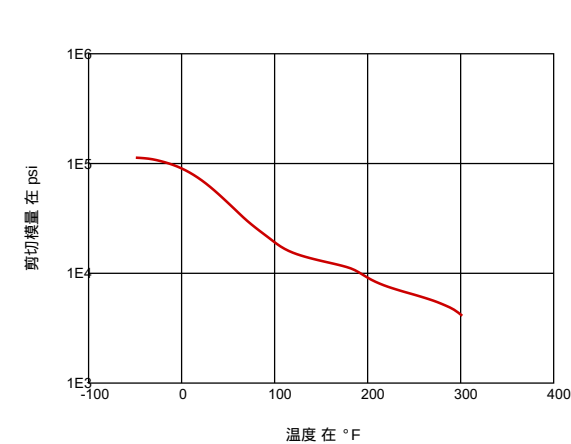
Main applications:
 Air brake.
 Tubing for use in motor vehicles

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

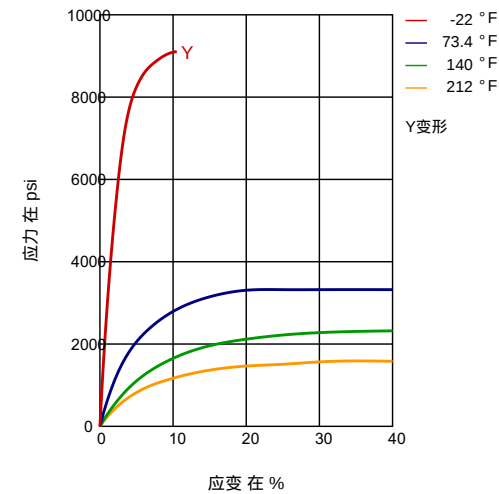
Shelf life:
 Two years from the date of delivery. for any use above this limit, please refer to our technical services.

图表

动态剪切模量 - 温度



应力 - 应变.

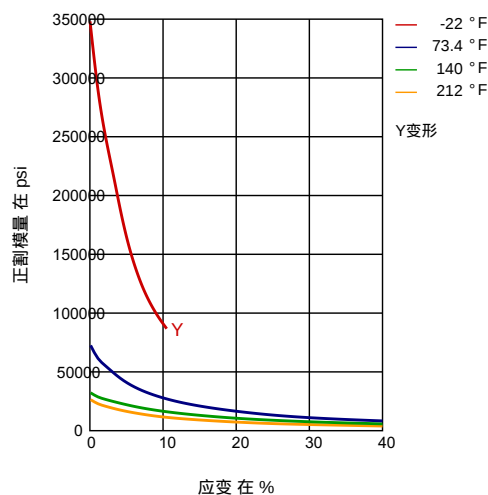


Arkema France - A French "société anonyme", registered in the Nanterre (France) Trade and Companies Register under the number 319 632 790 SDC/11-2018
 Source: automatically generated TDS from Material Database on 20-02-2024

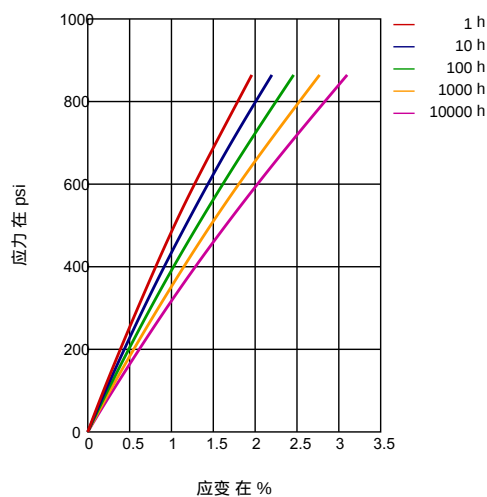
RILSAMID[®]

AESNO P40 TL

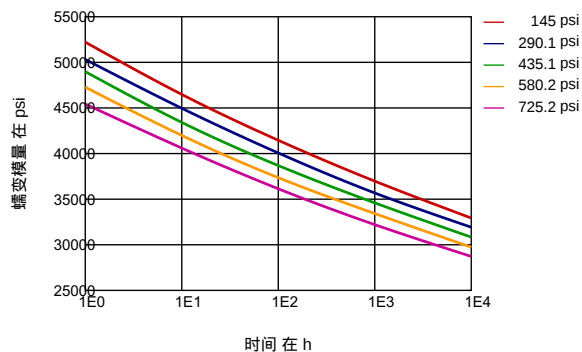
正割模量 - 应变.



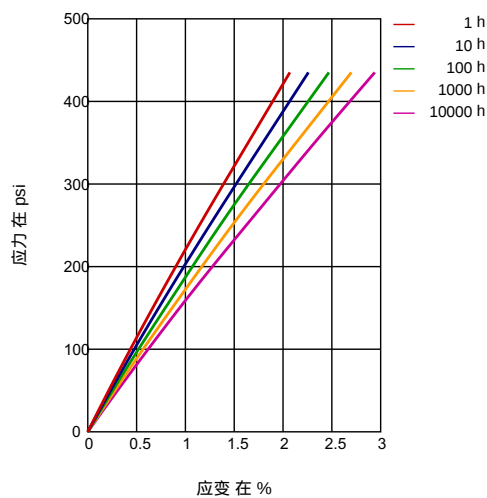
应力 - 应变(等时的) 73°F



蠕变模量 - 时间. 73°F



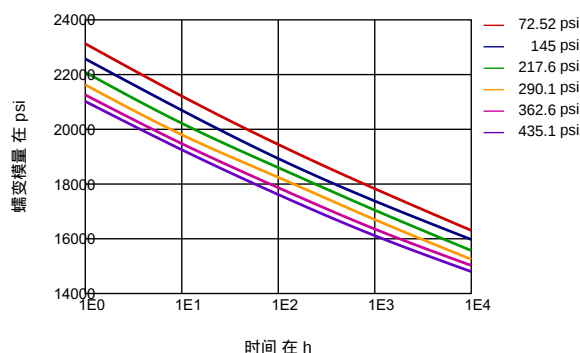
应力 - 应变(等时的) 176°F



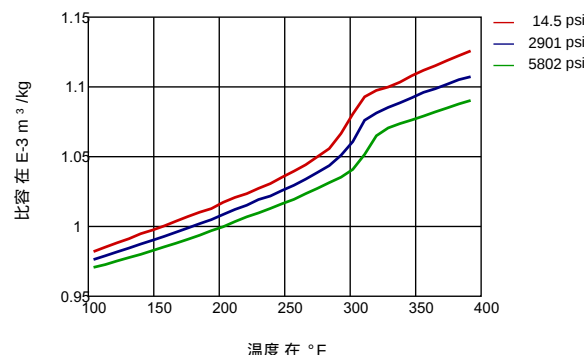
RILSAMID®

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	

The statements, technical information and recommendations contained herein are believed to be accurate as of the date hereof. Since the conditions and methods of use of the product and of the information referred to herein are beyond our control, ARKEMA expressly disclaims any and all liability as to any results obtained or arising from any use of the product or reliance on such information; NO WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE, WARRANTY OF MERCHANTABILITY OR ANY OTHER WARRANTY, EXPRESSED OR IMPLIED, IS MADE CONCERNING THE GOODS DESCRIBED OR THE INFORMATION PROVIDED HEREIN. The information provided herein relates only to the specific product designated and may not be applicable when such product is used in combination with other materials or in any process. The user should thoroughly test any application before commercialization. Nothing contained herein constitutes a license to practice under any patent and it should not be construed as an inducement to infringe any patent and the user is advised to take appropriate steps to be sure that any proposed use of the product will not result in patent infringement.