KYNAR FLEX®
2801-00

Kynar Flex® resins are fluorinated thermoplastic copolymers.

Outstanding characteristics: chemical resistance, imperviousness to UV, high barrier properties, high purity, good mechanical and thermo-mechanical properties. This product is NSF/ANSI/CAN 61 certified.
Kynar Flex® 2801 resin is the powder form of the Kynar Flex® 2800-00 resin. To be used an additive in LLDPE to improve the extrusion rate.

特性	値	単位	テスト基準
レオロジー特性			
メルトボリュームレイト	0.5	cm³/10min	ISO 1133
温度	230	°C	-
	446	°F	
荷重	5	kg	-
	11	lb	
メルトフローレイト	3 - 8	g/10min	ASTM D1238
温度	230	°C	-
荷重	12.5	kg	-
溶融粘度, 230°C, 100 s^{-1}	23 - 27	kPoise	ASTM D3835
機械的特性			
引張弾性率	700	MPa	ISO 527-1/-2
	102000	psi	
引張弾性率, 73 °F	552 - 896	MPa	ASTM D638
	80000 - 130000	psi	
降伏応力	27	MPa	ISO 527-1/-2
	3920	psi	
降伏応力, 73 °F	20 - 34.5	MPa	ASTM D638
	2900 - 5000	psi	
降伏ひずみ	15	%	ISO 527-1/-2
降伏点伸び, 73 °F	10 - 20	%	ASTM D638
破壊呼びひずみ	>50	%	ISO 527-1/-2
破壊応力, 73 °F	17.2 - 34.5	MPa	ASTM D638
	2500 - 5000	psi	
破断伸び, 73 °F	100 - 300	%	ASTM D638
Taber 耐摩耗性, CS 17 1000g:pad	16 - 19	mg/1000 cycles	ASTM-G195-13A

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ショア硬さ, D, 73 °F	60 - 70	-	ASTM D2240
曲げ弾性率, 73 °F	483 - 758	MPa	ASTM D790
	70000 - 110000	psi	
5%伸び時の曲げ強度, 73 °F	20.7 - 34.5	MPa	ASTM D790
	3000 - 5000	psi	
圧縮強度, 73 °F	31 - 41.4	MPa	ASTM D695
	4500 - 6000	psi	
衝撃試験, 73 °F	未破壊	kJ/m	ASTM D256
ノッチ付き衝撃強さ, 73 °F	0.534 - 1.07	kJ/m	ASTM D256
	10 - 20	ftlb/in	
摩擦係数, 静力学対鋼, 73°F	0.33	-	ASTM D1894
摩擦係数, 動的対鋼, 73°F	0.33	-	ASTM D1894
熱的特性			
溶融温度, 10°C/min	143	°C	ISO 11357-1/-3
溶融温度	140 - 145	°C	ASTM D3418
ガラス転移点, 10°C/min	-40	°C	ISO 11357-1/-2
ガラス転移温度 (Tg)	-41.1 - -39.4	°C	ASTM D7028
	-42 - -39	°F	
温度定格	130	°C	UL RTI
	266	°F	
荷重たわみ温度, 1.80 MPa	48	°C	ISO 75-1/-2
	118	°F	
荷重たわみ温度, 264 Psi, 248 °F/hr	40 - 55	°C	ASTM D648
	104 - 131	°F	
荷重たわみ温度, 66 Psi, 248 °F/hr	60 - 75	°C	ASTM D648
	140 - 167	°F	
ビカット軟化温度, 50°C/h 50N	79	°C	ISO 306
	174	°F	
線膨張係数, 平行	160	E-6/K	ISO 11359-1/-2
線膨張係数, 73 °F	12.6 - 18.5	10E-5/°C	ASTM D696
	7 - 10.3	10E-5/°F	
1.5mm厚さでの燃焼性	V-0	class	IEC 60695-11-10
試験片の厚さ	1.5	mm	-
	0.0591	in	
Yellow Card 可用	はい	-	-

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厚さhでの燃焼性	V-0	class	IEC 60695-11-10
試験片の厚さ	0.8	mm	-
	0.0315	in	
酸素指数	43	%	ISO 4589-1/-2
酸素指数	42	%	ASTM D2863
熱伝導率	0.144 - 0.18	W/(m K)	ASTM D433
	1 - 1.25	BTU in /(hr ft2 F)	
比熱	745 - 958	J/(kg K)	DSC
	0.28 - 0.36	BTU/(lb·°F)	
空気中の熱分解	375	°C	1% wt. loss
	707	°F	
窒素中での熱分解	410	°C	1% wt. loss
	770	°F	
相対熱指数, 機械的	130	°C	UL 746B
	266	°F	
相対熱指数, 電気	130	°C	UL 746B
	266	°F	
電気的特性.			
比誘電率, 1MHz	7	-	IEC 60250
比誘電率, 1 kHz	3.5 - 10.6	-	ASTM D150
誘電正接, 1MHz	2330	E-4	IEC 60250
誘電正接, 100 kHz	0.02 - 0.21	-	ASTM D150
体積抵抗率	2E12	Ohm* m	IEC 62631-3-1
体積抵抗率, DC 68 °F, 65% R.H.	2E14	Ohm* cm	ASTM D257
耐電圧, 73°F	1.3 - 1.5	kV/mil	ASTM D149
その他の特性.			
吸水率, 23°C, immersion, equilibrium	0.03	%	ISO 62
密度	1780	kg/m³	ISO 1183
	1.78	g/cm³	
比重, 73 °F	1.77 - 1.8	-	ASTM D792
光学特性			
Refractive Index @ sodium D line	1.41	-	ASTM D542

Main applications:

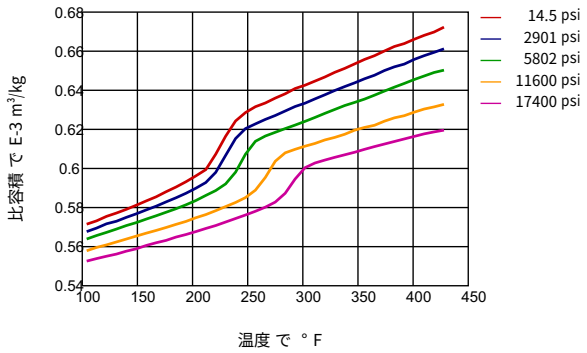
- corrosion protection in the chemical industry
- coating (painting, co-extrusion)
- off shore
- wire and cable

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機能

PVT



納入形状

パウダー

特殊な特性

熱安定化，光安定化

領域別の利用可能性

北アメリカ.，ヨーロッパ.，アジア/太平洋地域.，
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