

KYNAR® UHM 6020-20

Kynar® resins are fluorinated thermoplastic homopolymers.

Outstanding characteristics: chemical resistance, imperviousness to UV, high barrier properties, high purity, excellent mechanical and thermo-mechanical properties.

Kynar® UHM 6020-20 resin is a specific grade of granules for injection, extrusion, compression and transfer molding.

This grade has specific improved mechanical properties where extreme conditions in temperature and pressure are needed.

特性	値	単位	テスト基準
レオロジー特性			
成形収縮率, 23°C at 50% RH	0.25 - 1	%	ASTM D955
機械的特性			
引張弾性率	7900	MPa	ISO 527-1/-2
	1.15E6	psi	
引張弾性率, 73 °F	788	MPa	ASTM D638
	114000	psi	
降伏応力, 73 °F	120	MPa	ASTM D638
	17400	psi	
破壊応力	120	MPa	ISO 527-1/-2
	17400	psi	
破壊ひずみ	3	%	ISO 527-1/-2
破断伸び, 73 °F	3	%	ASTM D638
曲げ弾性率, 73 °F	6560	MPa	ASTM D790
	952000	psi	
5%伸び時の曲げ強度, 73 °F	174	MPa	ASTM D790
	25300	psi	
引張クリープ弾性率, 1h	7900	MPa	ISO 899-1
	1.15E6	psi	
引張クリープ弾性率, 1000h	7900	MPa	ISO 899-1
	1.15E6	psi	
シャルピー衝撃強さ, +23°C	44	kJ/m²	ISO 179/1eU
	20.9	ftlb/in²	
ノッチ付き衝撃強さ, 73 °F	0.101	kJ/m	ASTM D256
	1.9	ftlb/in	
熱的特性			
溶融温度, 10°C/min	170	°C	ISO 11357-1/-3
溶融温度	165 - 172	°C	ASTM D3418

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Source: automatically generated TDS from Material Database on 20-02-2024

KYNAR®

UHM 6020-20

荷重たわみ温度, 1.80 MPa	159	°C	ISO 75-1/-2
	318	°F	
荷重たわみ温度, 264 Psi, 248 °F/hr	159	°C	ASTM D648
	318	°F	
荷重たわみ温度, 66 Psi, 248 °F/hr	160	°C	ASTM D648
	320	°F	
線膨張係数, 平行	35	E-6/K	ISO 11359-1/-2
線膨張係数, 直角	35	E-6/K	ISO 11359-1/-2
1.5mm厚さでの燃焼性	V-0	class	IEC 60695-11-10
その他の特性.			
吸水率, 23°C, immersion, equilibrium	0	%	ISO 62
吸湿率	0	%	ISO 62
比重, 73 °F	1.87 - 1.89	-	ASTM D792

APPLICATION PROPERTIES

Caution: The use of foaming agents with Kynar® UHM 6020 is not recommended. Please see our SDS for further safety information.

Main applications:

- corrosion protection in the chemical industry

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射出成形, 異形押出成形, トランスファー成形	
納入形状	
ペレット	
領域別の利用可能性	Arkema Inc. – High Performance Polymers 900 First Avenue King of Prussia, PA 19406 Tel.: +1 610 205 7000 hpp.arkema.com
北アメリカ, ヨーロッパ, アジア/太平洋地域, 南・中央アメリカ, 近東/アフリカ	

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