

Technical Data

Product Description

35% Glass Reinforced, Heat Stabilized

General

Material Status	• 已商用 : 当前有效
资料 ¹	• Processing (English) • Technical Datasheet (English)
UL 黄卡 ²	• E43392-235098 • E47960-240100
搜索 UL 黄卡	• DSM Engineering Materials • Akulon®
Availability	• 北美洲 • 非洲和中东 • 拉丁美洲 • 欧洲 • 亚太地区
Filler / Reinforcement	• 玻璃纤维增强材料, 35% Filler by Weight
Additive	• 热稳定剂
Features	• 热稳定性
Automotive Specifications	• FORD WSS-M4D1038-A2 • GM GMW3029P-PA6-GF35H • PSA Peugeot-Citroën SPA X62 4131 • RENAULT PMR
Processing Method	• 注射成型
Multi-Point Data	• Shear Modulus vs. Temperature (ISO 11403-1) • Viscosity vs. Shear Rate (ISO 11403-2)
Resin ID (ISO 1043)	• PA6-GF35

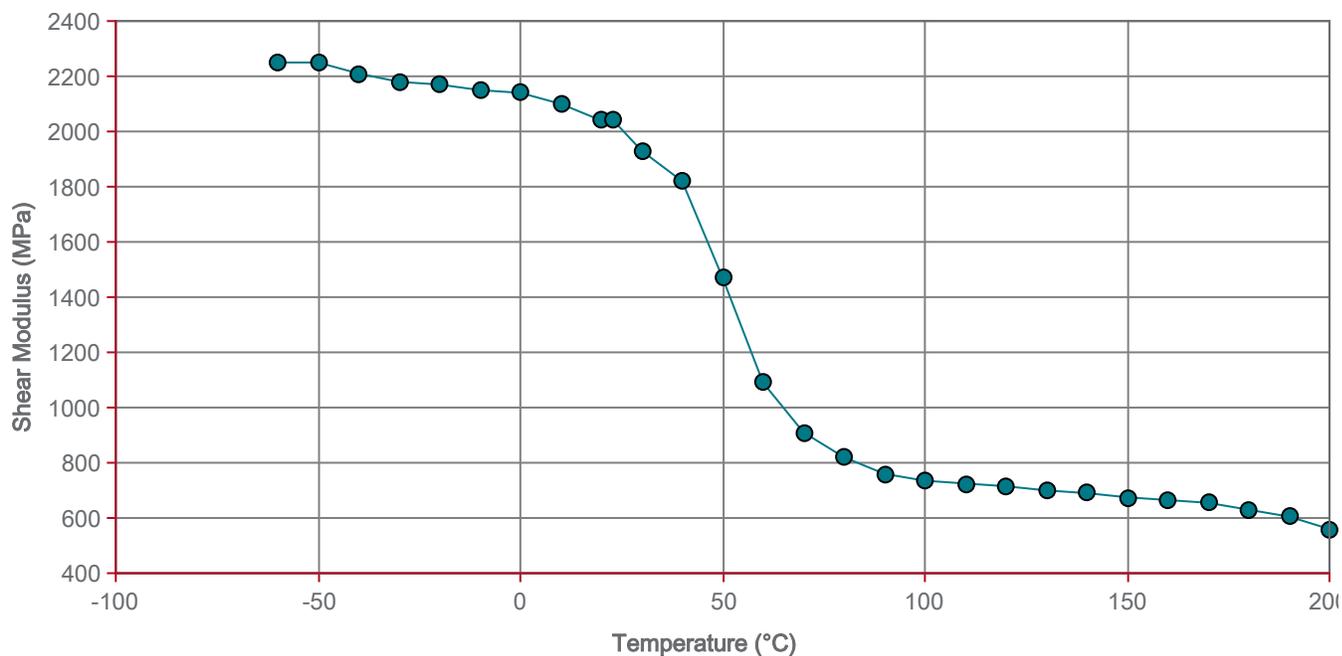
Physical	干燥	调节后的	单位制	测试方法
Density	1.40	--	g/cm ³	ISO 1183
Molding Shrinkage				ISO 294-4
垂直	0.90	--	%	
流动	0.30	--	%	
Water Absorption				ISO 62
饱和, 23°C	5.9	--	%	
平衡, 23°C, 50% RH	1.8	--	%	
Mechanical	干燥	调节后的	单位制	测试方法
Tensile Modulus	11500	7000	MPa	ISO 527-2
Tensile Stress (断裂)	195	125	MPa	ISO 527-2
Tensile Strain (断裂)	3.5	7.0	%	ISO 527-2
Flexural Modulus	9700	--	MPa	ISO 178
Flexural Stress	255	--	MPa	ISO 178
Impact	干燥	调节后的	单位制	测试方法
Charpy Notched Impact Strength				ISO 179/1eA
-30°C	12	12	kJ/m ²	
23°C	16	24	kJ/m ²	
Charpy Unnotched Impact Strength				ISO 179/1eU
-30°C	75	75	kJ/m ²	
23°C	90	100	kJ/m ²	
Notched Izod Impact Strength (23°C)	15	--	kJ/m ²	ISO 180/1A



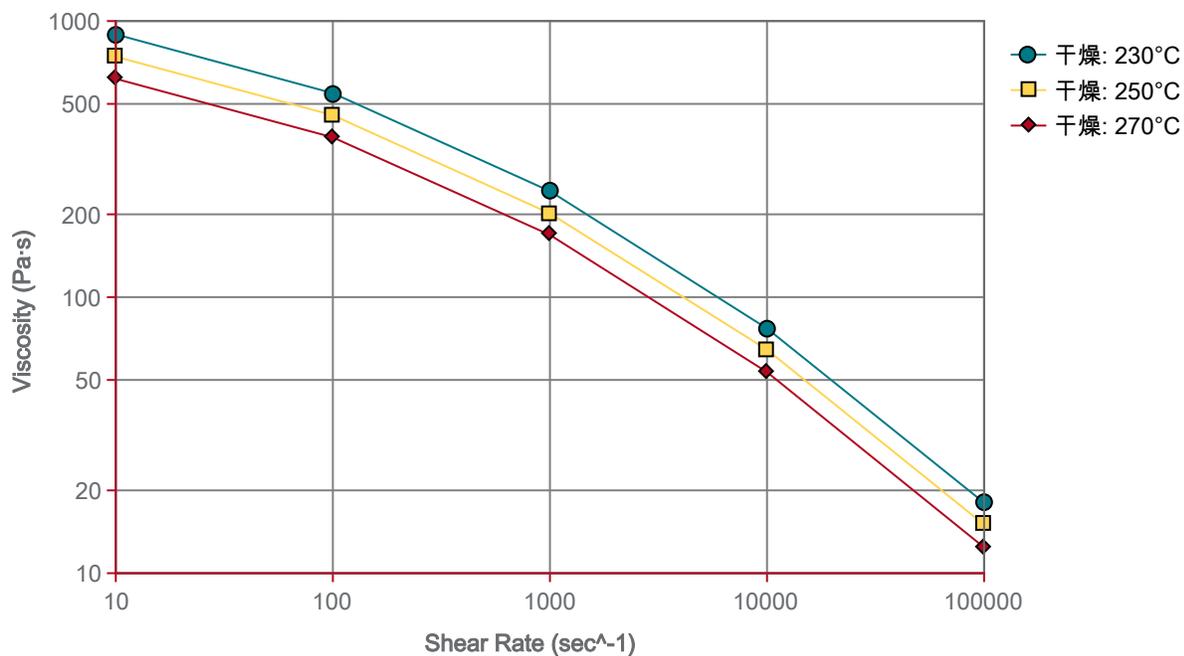
Thermal	干燥	调节后的	单位制	测试方法
Heat Deflection Temperature				
0.45 MPa, 未退火	220	--	°C	ISO 75-2/B
1.8 MPa, 未退火	210	--	°C	ISO 75-2/A
Melting Temperature ⁴	220	--	°C	ISO 11357-3
CLTE				ISO 11359-2
流动	2.0E-5	--	cm/cm/°C	
垂直	6.0E-5	--	cm/cm/°C	
Electrical	干燥	调节后的	单位制	测试方法
Surface Resistivity	--	1.0E+13	ohms	IEC 60093
Volume Resistivity	1.0E+14	1.0E+12	ohms-cm	IEC 60093
Electric Strength	35	25	kV/mm	IEC 60243-1
Relative Permittivity				IEC 60250
100 Hz	3.50	14.0		
1 MHz	3.30	4.40		
Dissipation Factor				IEC 60250
100 Hz	5.0E-3	0.30		
1 MHz	0.015	0.11		
Comparative Tracking Index	--	500	V	IEC 60112
Flammability	干燥	调节后的	单位制	测试方法
Flammability Classification				IEC 60695-11-10, -20
0.71 mm	HB	--		
1.5 mm	HB	--		



Shear Modulus vs. Temperature (ISO 11403-1)



Viscosity vs. Shear Rate (ISO 11403-2)



备注

¹ 通过这些链接您能够访问供应商资料。我们尽量保证及时更新资料；不过您可以从供应商处了解最新资料。

² UL 黄卡含有 UL 验证的易燃性和电气特性。UL Prospector 持续努力在 Prospector 中将黄卡链接至单个塑料材料，然而此列表可能未包括所有相应链接。重要的是，我们对 Prospector 中找到的这些黄卡和塑料材料之间的关联进行验证。如需完整的黄卡列表，请访问 UL 黄卡搜索。

³ 一般属性：这些不能被视为规格。

⁴ 10°C/min



购买地点

供应商

DSM Engineering Materials

Web: <http://www.dsm.com/contactdep>

分销商

Channel Prime Alliance

电话: 800-247-8038
Web: <http://www.channelpa.com/>
供货地区: North America

Chase Plastic Services, Inc.

Chase Plastics Services is a North American distributor with representatives throughout the region. Please find your rep here: <http://www.chaseplastics.com/contact/locations>
电话: 800-232-4273
Web: <http://www.chaseplastics.com/>
供货地区: North America

Nexeo Plastics

电话: 833-446-3936
Web: <https://www.nexeoplastics.com/>
供货地区: North America

Nexeo Plastics - Europe

Nexeo Plastics is a Pan European distribution company. Contact Nexeo for availability of individual products by country.
电话: +34-93-480-9125
Web: <https://www.nexeoplastics.com/>
供货地区: Austria, Belgium, Bulgaria, Czech Republic, Denmark, Finland, France, Germany, Ireland, Italy, Latvia, Lithuania, Luxembourg, Netherlands, Norway, Poland, Portugal, Romania, Russian Federation, Slovakia, Spain, Sweden, Switzerland, United Kingdom

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RESINEX is a Pan European distribution company. Contact RESINEX for availability of individual products by country.
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Web: <http://www.resinex.com/>
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TER HELL Plastic GmbH

TER HELL Plastic is a Pan European distribution company. Contact TER HELL Plastic for availability of individual products by country.
电话: +49-2366-5661-0
Web: <https://www.terplastics.com/>
供货地区: Austria, Bulgaria, Czech Republic, France, Germany, Hungary, Poland, Romania, Slovakia, Slovenia, Switzerland

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供货地区: China

