

UNIT Lee® 8230GF

产品细节：超高性能热塑性聚合物，30%玻璃纤维增强耐高温，半晶态颗粒，适合注塑，挤出工艺，深米黄色。

应用领域：适用于特高温、高强度承重应用。耐油、耐酸碱、耐辐射，适用于石化、机械、军用、医疗器械和食品接触应用。

典型特征：

ITEMS 项目	TEST METHOD测试方法	UNIT	UNIT Lee® 8230GF
物理特性			
Density密度	23°C	g/cc	1.50
Water Absorption含水率	ASTM D 570-98	%	0.04
Shore D Hardness邵氏 D 硬度	ASTM D 2240-05		91
Mold Shrinkage (435°C nozzle, 220°C Mold)	Along Flow	%	0.3
模具收缩率 (435°C 浇口, 220°C 模温)	Across Flow	%	0.1
Thermal Properties热性能			
Glass Transition Temperature(Tg) 玻璃化温度	ASTM D 3418	°C	176
Melting Point (Tm) 熔点	ASTM D 3418	°C	396
Heat Deflection Temperature (HDT)热变形温度	ASTM D 648 /1.8 MPa	°C	372
Continuous Use Temperature 连续使用温度	UL 746B	°C	300
Mechanical Properties at 23°C 机械性能 (23°C)			
Tensile Strength拉伸强度	ASTM D 638	MPa	170
Tensile Modulus拉伸模量	ASTM D 638	GPa	11.5
Elongation at Break断裂伸长率	ASTM D 638	%	2-3
Flexural Strength抗弯强度	ASTM D 790	MPa	260
Flexural Modulus抗弯模量	ASTM D 790	GPa	11.9
Compressive Strength抗压强度	ASTM D 695	MPa	167
Izod Impact Strength(Notched)悬臂梁缺口冲击强度	ASTM D 256	J/m	60
Izod Impact Strength(Un-notched)悬臂梁非缺口冲击强度	ASTM D 256	J/m	611

ITEMS 项目	TEST METHOD测试方法	UNIT	UNIT Lee® 8230GF
Fire Properties			
Flammability阻燃级别	UL 94/0.8 mm	-	V-0
Recommended Processing Conditions推荐的加工条件			
Drying Temperature/Time干燥工艺	4-6 hrs at 150°C		
Temperature Settings温度设定	400-435°C		
Nozzle Temperature喷嘴温度	435°C		
HopperTemperature料斗温度	60-80°C		
Mold Temperature模具温度	200-220°C		
Nominal Granule Size标称粒度			
<ul style="list-style-type: none"> • Dimensions, length 2.0 – 4.0 mm, diameter 2.0 – 3.5 mm 长度 2.0 – 4.0 mm, 直径 2.0 – 3.5 mm • No longs greater than 9.0 mm 长度不超过 9.0 毫米 • Granules of uniform cut and color 颜色和大小均匀 			

THE INFORMATION PROVIDED IN THIS DATA SHEET CORRESPONDS TO OUR KNOWLEDGE ON THE SUBJECT AT THE DATE OF ITS PUBLICATION. THIS INFORMATION MAY BE SUBJECT TO REVISION AS NEW KNOWLEDGE AND EXPERIENCE BECOMES AVAILABLE. THE DATA PROVIDED FALL WITHIN THE NORMAL RANGE OF PRODUCT PROPERTIES AND RELATE ONLY TO THE SPECIFIC MATERIAL DESIGNATED; THESE DATA MAY NOT BE VALID FOR SUCH MATERIAL USED IN COMBINATION WITH ANY OTHER MATERIALS, ADDITIVES OR PIGMENTS OR IN ANY PROCESS, UNLESS EXPRESSLY INDICATED OTHERWISE. THE DATA PROVIDED SHOULD NOT BE USED TO ESTABLISH SPECIFICATION LIMITS OR USED ALONE AS THE BASIS OF DESIGN; THEY ARE NOT INTENDED TO SUBSTITUTE FOR ANY TESTING YOU MAY NEED TO CONDUCT TO DETERMINE FOR YOURSELF THE SUITABILITY OF A SPECIFIC MATERIAL FOR YOUR PARTICULAR PURPOSES. SINCE YINTING PLASTICS CANNOT ANTICIPATE ALL VARIATIONS IN ACTUAL END-USE CONDITIONS YINTING PLASTICS MAKES NO WARRANTIES AND ASSUMES NO LIABILITY IN CONNECTION WITH ANY USE OF THIS INFORMATION. NOTHING IN THIS PUBLICATION IS TO BE CONSIDERED AS A LICENSE TO OPERATE UNDER OR A RECOMMENDATION TO INFRINGE ANY PATENT RIGHTS. YINTING PLASTICS ADVISES YOU TO SEEK INDEPENDENT COUNSEL FOR A FREEDOM TO PRACTICE OPINION ON THE INTENDED APPLICATION OR END-USE OF OUR PRODUCTS. FOR FURTHER INFORMATION, PLEASE CONTACT YOUR YINTING PLASTICS REPRESENTATIVE