

Sabic PEI 2100

产品名称	Sabic PEI 2100
公司名称	东莞市卓丰塑胶有限公司
价格	.00/kg
规格参数	
公司地址	东莞市长安镇振安路霄边工业园131号
联系电话	86-76981587250 13925535705

产品详情

SABIC PEI Ultem 2100 2200 2300

SABIC PEI Ultem??

聚醚酰亚胺，Polyetherimide简称PEI[1]，是琥珀色透明固体，不添加任何添加剂就有固有的阻燃性和低烟度，氧指数为47%，燃烧等级为UL94-V-0级，密度为1.28~1.42g/cm³。PEI具有很强的耐高温稳定性，即使是非增强型的PEI，仍具有很好的韧性和强度。因此利用PEI优越的热稳定性可用来制作高温耐热器件。具有优良的机械性能、电绝缘性能、耐辐照性能、耐高低温及耐磨性能，并可透过微波。PEI还有良好的阻燃性、抗化学反应以及电绝缘特性。玻璃化转化温度很高，达215℃。PEI还具有很低的收缩率及良好的等方向机械特性。加入玻璃纤维、碳纤维或其他填料可达到增强改性的目的；也可和其它工程塑料组成耐热高分子合金，可在-160~180℃的工作温度下长期使用。

1：PEI是一种稳定性能级佳的热塑性工程树脂

2：PEI树脂的一个突出性能是能够经受长时间的高温考验。此耐高温性能，加上出色的可燃性和UL实验室的认证，使PEI树脂符合了高温应用的苛刻要求。

3：（延展性）PEI树脂不但无伦比地兼有高强度与高模量的特性，它还具备突出的延展性。其屈服拉伸延伸得它能够自由结合各种便于装配的搭扣配合设计。甚至在只加入了10%玻纤增强的情况下，PEI 2100树脂也可在零度以下至200℃温度范围内保持延展性。

4：（冲击强度）PEI 1000树脂具有出色的实际抗冲击性能。鉴于PEI树脂显示缺口灵敏度，建议遵守标准设计原则。应限度地减少注塑部件中的应用力集中点（如尖角），以提供有冲击强度。PEI AT*100树脂专用于需要高冲击性能的应用。此系列的缺口Izod冲击可达15km/m²。

5：（耐疲劳性）对于循环装填或摆动部件，疲劳是一生要的设计考虑因素。

6：（蠕变行为）在考虑任何热塑性塑料的机械性能时，设计师必须认识到温度，应力水平和负荷持续时间对材料性能的影响。即使在无法使用许多其他热塑性塑料的温度和应力水平下，PEI树脂也显示了极好的抗蠕变性能。

7：PEI树脂具有出色的电性能，在广泛的环境条件下都能保持稳定。再加上热性能和机械性能，使PEI树脂成为要求极高的电子和电气应用的理想选择。

8：（相对介电常数）虽然应用可能需要或高或低的相对介电常数值，但更重要的是这些值整个使用温度和/或频率范围内保持稳定。

SABIC PEI Ultem同系列型号介绍

Ultem HU1000 Transparent, standard flow Polyetherimide (Tg 217C). Ultem HU1000E Transparent, standard flow Polyetherimide (Tg 217C). Ultem HU1010 Transparent, enhanced flow Polyetherimide (Tg 217C). Ultem HU1100 Standard flow Polyetherimide (Tg 217C). Ultem HU1110 Enhanced Polyetherimide (Tg 217C). Ultem HU2100 10% Glass fiber filled, standard flow Polyetherimide (Tg 217C). Ultem HU2110 10% Glass fiber filled, enhanced flow Polyetherimide (Tg 217C). Ultem HU2200 20% Glass fiber filled, enhanced flow Polyetherimide (Tg 217C). Ultem HU2210 20% Glass fiber filled, enhanced flow Polyetherimide (Tg 217C). Ultem HU2300 30% Glass fiber filled, standard flow Polyetherimide (Tg 217C). Ultem HU2310 30% Glass fiber filled, enhanced flow Polyetherimide (Tg 217C). Ultem HU2400 40% Glass fiber filled, standard flow Polyetherimide (Tg 217C). Ultem HU2410 40% Glass fiber filled, enhanced flow Polyetherimide (Tg 217C). Ultem 1000 Transparent, standard flow Polyetherimide (Tg 217C). Ultem 1000E Transparent, standard flow Polyetherimide (Tg 217C) with internal mold release. Ultem 1000EF Transparent, enhanced flow Polyetherimide (Tg 217C) with internal mold release. Ultem 1000F Transparent, standard flow Polyetherimide (Tg 217C). Ultem 1000M Standard flow Polyetherimide (Tg 217C) with internal mold release. Ultem 1000P Standard flow Polyetherimide (Tg 217C) in 350 micron powder. ECO Conforming. Ultem 1000R Standard flow Polyetherimide (Tg 217C) with internal mold release. Ultem 1010 Transparent, enhanced flow Polyetherimide (Tg 217C). Ultem 1010F Transparent, enhanced flow Polyetherimide (Tg 217C). Ultem 1010K Transparent, high flow Polyetherimide (Tg 217C). Ultem 1010M Enhanced flow Polyetherimide (Tg 217C) with internal mold release. Ultem 1010P Enhanced flow Polyetherimide (Tg 217C) in 350 micron powder. Ultem 1010R Enhanced flow Polyetherimide (Tg 217C) with internal mold release. Ultem 1100 Standard flow Polyetherimide (Tg 217C). Ultem 1100F Standard flow Polyetherimide (Tg 217C). Ultem 1110 Enhanced flow Polyetherimide (Tg 217C). Ultem 1110F Enhanced flow Polyetherimide (Tg 217C). Ultem ATX100 Higher impact, high flow Polyetherimide blend. Ultem ATX100R Higher impact, high flow Polyetherimide blend with internal mold release. Ultem ATX200 High flow Polyetherimide blend. ECO Conforming, UL94 V0 Listing. Ultem ATX200F High flow Polyetherimide blend. ECO Conforming, UL94 V0 Listing. Ultem ATX200R High flow Polyetherimide blend with internal mold release. Ultem 2100 10% Glass fiber filled, standard flow Polyetherimide (Tg 217C). Ultem 2100R 10% Glass fiber filled, standard flow Polyetherimide (Tg 217C). Ultem 2110 10% Glass fiber filled, enhanced flow Polyetherimide (Tg 217C). Ultem 2110EPR 10% Glass fiber filled, high flow Polyetherimide (Tg 217C). Ultem 2110R 10% Glass fiber filled, enhanced flow Polyetherimide (Tg 217C). Ultem 2200 20% Glass fiber filled, standard flow Polyetherimide (Tg 217C). Ultem 2200F 20% Glass fiber filled, standard flow Polyetherimide (Tg 217C). Ultem 2200R 20% Glass fiber filled, standard flow Polyetherimide (Tg 217C). Ultem 2210 20% Glass fiber filled, enhanced flow Polyetherimide (Tg 217C). Ultem 2210EPR 20% Glass fiber filled, high flow Polyetherimide (Tg 217C). Ultem 2210R 20% Glass fiber filled, enhanced flow Polyetherimide (Tg 217C). Ultem 2212EPR 20% Milled glass filled, high flow Polyetherimide (Tg 217C). Ultem 2212R 20% Milled glass filled

d, enhanced flow Polyetherimide (Tg 217C). Ultem 2300 30% Glass fiber filled, standard flow Polyetherimide (Tg 217C). Ultem 2300F 30% Glass fiber filled, standard flow Polyetherimide (Tg 217C). Ultem 2300R 30% Glass fiber filled, standard flow Polyetherimide (Tg 217C). Ultem 2310 30% Glass fiber filled, enhanced flow Polyetherimide (Tg 217C). Ultem 2310EP R 30% Glass fiber filled, high flow Polyetherimide (Tg 217C). Ultem 2310F 30% Glass fiber filled, enhanced flow Polyetherimide (Tg 217C). Ultem 2310R 30% Glass fiber filled, enhanced flow Polyetherimide (Tg 217C). Ultem 2312 30% Milled glass filled, enhanced flow Polyetherimide (Tg 217C). Ultem 2312EPR 30% Milled glass filled, high flow Polyetherimide (Tg 217C). Ultem 2400 40% Glass fiber filled, standard flow Polyetherimide (Tg 217C). Ultem 2410 40% Glass fiber filled, enhanced flow Polyetherimide (Tg 217C). Ultem 2410EPR 40% Glass fiber filled, high flow Polyetherimide (Tg 217C). Ultem 2410R 40% Glass fiber filled, enhanced flow Polyetherimide (Tg 217C).