

PPS 日本宝理 1140A6 BK 耐高温,高强度 , 注塑级

产品名称	PPS 日本宝理 1140A6 BK 耐高温,高强度 , 注塑级
公司名称	京冀（广州）新材料有限公司
价格	17.80/千克
规格参数	PPS:耐高温 1140A6 BK:高强度 日本宝理:注塑级
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产品详情

聚苯硫醚(pps)的特性与应用一、特性

（1）一般性能：PPS为一种外观白色、高结晶度、硬而脆的聚合物，纯PPS的相对密度为1.3，但改性后会增大。PPS有吸水率极小，一般只有0.03%左右。PPS的阻燃性好，其氧指数高达44%以上；与其他塑料相比，它在塑料中属于高阻燃材料（纯PVC的氧指数为47%、PSF为30%、PA66为29%、MPPO为28%，PC为25%）。

（2）机械性能：纯PPS的机械性能不高，尤其冲击强度比较低。以玻璃纤维增强后会大幅度提高冲击强度，由27J/m增大到76J/m，增大3倍；拉伸强度由6Mpa增大到137Mpa，增大1倍。PPS的刚性很高，在工程塑料中少见。纯PPS的弯曲模量可达3.8Gpa，无机填充改性后可达到12.6Gpa,增大5倍之多。而以刚性著称的PPO仅为2.55Gpa，PC仅为2.1Gpa。

PPS在负荷下的耐蠕变性好，硬度高；耐磨性高，其1000转时的磨耗量仅为0.04g，填充F4及二硫化钼后还会进一步得到改善；PPS还具有一定的自润性。PPS的机械性能对温度的敏感性能小（3）热学性能：PPS具有优异的热性能，短期可耐260℃，并可在200~240℃下长期使用；其耐热性与PI相当，仅次于F4塑料，这在热固性塑料中也不多见。

[供应,PPA]UF1004|UF1004|美国液氮[供应,PPA]UFL4026|UFL4026|美国液氮[供应,PPA]UAL-4023A EM HS|UAL-4023A EM HS|美国液氮[供应,PPA]UC1004|UC1004|美国液氮[供应,PPA]UCL-4036A BK|UCL-4036A BK|美国液氮[供应,PPA]UF-1004HS GYO067-5|UF-1004HS GYO067-5|美国液氮[供应,PPA]PDX-U-05013EXP NT04|PDX-U-05013EXP NT04|美国液氮[供应,PPA]UCL-4036|UCL-4036|美国液氮[供应,PPA]UF-1007HS SVDO-BK80515|UF-1007HS SVDO-BK80515|美国液氮[供应,PPA]6300|6300|德国拜耳[供应,PPA]A1240 XL|A1240

XL|法国阿莫科[供应,PPA]AS-1566|AS-1566|法国阿莫科[供应,PPA]AS-1915 HS BK324|AS-1915 HS BK324|法国阿莫科[供应,PPA]AT-1146HS|AT-1146HS|法国阿莫科[供应,PPA]GF30 WH|GF30 WH|法国阿莫科[供应,PPA]GV5H GY 9414|GV5H GY 9414|法国阿莫科[供应,PPA]GVX5H BK9915|GVX5H BK9915|法国阿莫科[供应,PPA]GVX5H GY|GVX5H GY|法国阿莫科[供应,PPA]PXM-04047|PXM-04047|法国阿莫科[供应,PPA]PXM-04047 Y4092|PXM-04047 Y4092|法国阿莫科

Properties and applications of Poly(p-phenylene sulfide) polymers (PPS) General Properties: PPS is a white, high crystallinity, hard and brittle polymer. The relative density of pure PPS is 1.3, but it will increase after modification. PPS water absorption rate is very small, generally only about 0.03% . Compared with other plastics, PPS is a high flame retardant material (oxygen index of pure PVC is 47% , PSF is 30% , PA66 is 29% , MPPO is 28% , PC is 25%) . (2) mechanical properties: the mechanical properties of pure PPS are not high, especially the impact strength is relatively low. The impact strength increased from 27 J/m to 76 J/m by 3 times, and the tensile strength increased from 6 mpa to 137 mpa by 1 times. The rigidity of PPS is very high, which is rare in engineering plastics. The bending modulus of pure PPS can reach 3.8 GPA and 12.6 GPA after inorganic filling and modification, which is increased by 5 times. The famously rigid PPO was only 2.55 GPA, and the PC was only 2.1 GPA. PPS has good creep resistance, high hardness and wear resistance, and its wear rate at 1000 rpm is only 0.04 g, which can be further improved by filling F4 and molybdenum disulfide. The mechanical properties of PPS are less sensitive to temperature (3) thermal properties: PPS has excellent thermal properties, with short-term resistance of 260 ° C and long-term use of 200 ~ 240 ° C, it's not uncommon in thermosetting polymer. Something [supply, PPA] UF1004 | UF1004 | US liquid nitrogen [supply, PPA] UFL4026 | UFL4026 | US liquid nitrogen [supply, PPA] Ual-4023a EM Hs | Ual-4023a EM HS | US liquid nitrogen [supply, PPA] UC1004 | UC1004 | US liquid nitrogen [supply, PPA] UCL-4036A BK | UCL-4036A BK | US liquid nitrogen [supply, PPA] , pPA] UF-1004HS Gyo067-5 | UF-1004HS GYO067-5 | US liquid nitrogen [supply, PPA] PDX-U-05013EXP NT04 | PDX-U-05013EXP NT04 | US liquid nitrogen [supply, PPA] UCL-4036 | UCL-4036 | US liquid nitrogen [supply, PPA] UF-1007HS SVDO-BK80515 | UF-1007HS SVDO-BK80515 | US liquid nitrogen [supply, PPA] , pPA]6300 | 6300 | Bayer, Germany [supply, PPA] A1240 XL | A1240 XL | Amoco, France [supply, PPA -RAs-15661566 | as-156AmocomoFranceance [suppPPA PPAAs-19151HS5BK324K32As-19151HS5BK324K32AmocomoFranceance [suppPPA PPA] , pPA] at-1146hs | at-1146hs | Amoco [supply, PPA] GF30 WH | GF30 WH | Amoco [supply, PPA] GV5H GY 9414 | GV5H GY 9414 | Amoco [supply, PPA] GVX5H BK9915 | GVX5H BK9915 | Amoco [supply, PPA] , pPA] Gvx5h GY | GVX5H GY | Amoco, France [supply, PPA] PXM-04047 | PXM-04047 Y4092 | Amoco, France [supply, PPA] PXM-04047 Y4092 | Amoco, France