Suyuan Polymers
Plastic Raw Materials

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General Purpose Polystyrene

GPPS 550N

PetroChina Guangxi | General Purpose Polystyrene

Features	High transparency, high-temperature resistance.
Applications	LED displays, light guide plates, optical components, household appliances.

Property / Unit	Condition	Test Method	Test Result
Physical Properties			
Colored Particles, count/kg	—	SH/T 1541.1	**0**
Melt Mass-Flow Rate, g/10min	200 °C / 5.0 kg	GB/T 3682.1	**5.33**
Light Transmittance, %	—	GB/T 2410	**87.8**
Yellowness Index	—	GB/T 39822	**-1.8**
Residual Styrene Monomer, mg/kg	—	GB/T 38271	**240**
Mechanical Properties			
Tensile Stress at Break, MPa	—	GB/T 1040.2	**46.5**
Unnotched Charpy Impact Strength, kJ/m²	23 °C	GB/T 1043.1	**9.9**
Thermal Properties			
Vicat Softening Point, °C	—	GB/T 1633	**96.8**

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Note: Data are for reference only and do not constitute guaranteed specifications. Suitability for the intended application should be verified by testing. Contact us for further technical information.