

Polyphenylene Ether + PS is a blend of Polyphenylene Ether (PPE) and Polystyrene (PS). It combines the excellent heat resistance, electrical properties, and dimensional stability of PPE with the toughness and processability of PS. This blend is often used in applications requiring high performance and durability, such as automotive parts, electrical connectors, and electronic housings.

### Chemical Description

Description	Value
Material Type	Thermoplastic
Chemical Name	Blend of Polyphenylene Ether (PPE) and Polystyrene (PS)
Additives	Unfilled
Color	Natural
UV Resistant	No

### Physical Properties

Property	Maximum Unless Range is Specified
Specific Gravity	1.12
Mold Shrinkage, flow, 3.2mm, %	0.8-0.9
Surface Resistivity, Ohm	1.E+05
Melting Point Temp, °C	290-320
Thermal HDT, 0.45MPa, 3.2mm, unannealed, °C	157

### Mechanical Properties

Property	Maximum Unless Range is Specified
Tensile Strength, yield, MPa	67
Flexural Strength, MPa	95
Flexural Modulus, MPa	3,140
Tensile Strain at Break	4%
Notched Izod Impact Strength, J/m	49

The material properties in this datasheet are provided by one of the manufacturers collaborating with Naxtry. Please note that material properties may slightly vary among different manufacturers. Naxtry can accommodate customer requests for specific materials or brands.