

Certificate of Analysis

Date of Testing: 2025-07-25 17:36:40

Date of Next Testing: 2027-07-15 17:36:40

Product Name: **Polystyrene**

CAS Number: 9003-53-6

Specifications & Purity: impact resistive

Lot #: G2521030

SKU #: **P107088**

Version: **2**

Analysis #: **548077**

Parameter	Limit Values	Result
Tensile Strength(50 mm/min)	30 MPa	30 MPa
Specific elongation(50 mm/min)	50%	50%
Flexural Strength(2mm/min)	39MPa	39MPa
Flexural Modulus(2 mm/min)	1.5GPa	1.5GPa
Izod Impact Strength(4mm/23°C)	10 kJ/m2	10 kJ/m2
Charpy Impact Strength(4mm/23°C)	9 kJ/m2	9 kJ/m2
Melt Flow Index(200°C,5kg)	3.8cm3/10min	3.8cm3/10min
Specific Gravity(23°C)	1.05 g/cm3	1.05 g/cm3
Softening Temperature(10N,50°C/hr)	92 °C	92 °C
Heat Distortion Temperature(1.8MPa annealed)	96°C	96°C
Combustion rate	1.5mm HB	1.5mm HB



John Su
QA & QC Manager