

# SABIC<sup>®</sup> S3625

SABIC<sup>®</sup> PPcompound S3625 is a 25% short glass fiber reinforced polypropylene copolymer compound for injection moulding applications. The compound is UV stabilized and the glass fibers are chemically coupled to the PP matrix. This compound combines a matt surface, good sound dampening and excellent scratch resistance with soft-touch haptics and is especially designed for aesthetical automotive interior applications. SABIC<sup>®</sup> PPcompound S3625 is a designated automotive grade. IMDS ID: 559182813

Physical Properties	Metric	English	Comments
Density	1.08 g/cc	0.0390 lb/in <sup>3</sup>	Injection molded sample ISO527-1A; ISO 1183
Filler Content	25 %	25 %	SABIC method
Linear Mold Shrinkage	0.0040 cm/cm	0.0040 in/in	Injection molded plaque 65x65x3.2mm; SABIC method
Melt Flow	6.0 g/10 min @Load 2.16 kg, Temperature 230 °C	6.0 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	35.0 MPa	5080 psi	ISO 527/1A
Tensile Strength, Yield	35.0 MPa	5080 psi	ISO 527/1A
Elongation at Break	7.0 %	7.0 %	ISO 527/1A
Tensile Modulus	2.90 GPa	421 ksi	ISO 527/1A
Flexural Modulus	2.85 GPa	413 ksi	ISO 178/1A
Izod Impact, Notched (ISO)	35.0 kJ/m <sup>2</sup>	16.7 ft-lb/in <sup>2</sup>	N.B.: No Break; ISO 180/1A
	25.0 kJ/m <sup>2</sup> @Temperature -20.0 °C	11.9 ft-lb/in <sup>2</sup> @Temperature -4.00 °F	N.B.: No Break; ISO 180/1A
	30.0 kJ/m <sup>2</sup> @Temperature 0.000 °C	14.3 ft-lb/in <sup>2</sup> @Temperature 32.0 °F	N.B.: No Break; ISO 180/1A

Thermal Properties	Metric	English	Comments
CTE, linear	81.0 µm/m-°C @Temperature -30.0 - 100 °C	45.0 µin/in-°F @Temperature -22.0 - 212 °F	ISO 11359-2
Deflection Temperature at 1.8 MPa (264 psi)	111 °C	232 °F	ISO 75