

**SABIC Innovative Plastics Valox<sup>®</sup> CS815 PBT+PET**

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , PBT + PET Blend, Glass Filled , Polyethylene Terephthalate (PET)

**Material Notes:**

15% glass reinforced PBT+PET. Improved heat aged color stability, high surface gloss. Oven knobs and handles, kickplates, trim.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SABIC-Innovative-Plastics-Valox-CS815-PBTPET.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-Valox-CS815-PBTPET.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.44 g/cc	1.44 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.0050 - 0.0070 cm/cm @Thickness 3.20 mm	0.0050 - 0.0070 in/in @Thickness 0.126 in	SABIC Method
Linear Mold Shrinkage, Transverse	0.0070 - 0.0090 cm/cm @Thickness 3.20 mm	0.0070 - 0.0090 in/in @Thickness 0.126 in	SABIC Method

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	92.0 MPa	13300 psi	Type I, 5 mm/min; ASTM D638
Elongation at Break	3.0 %	3.0 %	Type I, 5 mm/min; ASTM D638
Flexural Strength	145 MPa	21000 psi	1.3 mm/min, 50 mm span; ASTM D790
Flexural Modulus	5.17 GPa	750 ksi	1.3 mm/min, 50 mm span; ASTM D790
Izod Impact, Notched	0.480 J/cm	0.899 ft-lb/in	ASTM D256
Izod Impact, Unnotched	2.50 J/cm	4.68 ft-lb/in	ASTM D4812

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	207 Â°C @Thickness 3.20 mm	405 Â°F @Thickness 0.126 in	unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	180 Â°C @Thickness 3.20 mm	356 Â°F @Thickness 0.126 in	unannealed; ASTM D648

**Contact Songhan Plastic Technology Co.,Ltd.**

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