INEOS STYROLUTION

Absolac 380

Acrylonitrile Butadiene Styrene (ABS)

TECHNICAL DATASHEET

DESCRIPTION

Absolac® 380 is a high gloss, very high flow grade

FEATURES

- high Gloss
- High flow

APPLICATIONS

- Office Equipments
- Chairs
- Trays for Photocopiers
- Coffee makers
- Computer housing
- Grills

Property, Test Condition	Standard	Unit	Values
Rheological Properties			
Melt Flow Rate, 220 °C/10 kg	ISO 1133	g/10 min	40
Mechanical Properties			
Izod Notched Impact Strength, 1/4” bar, 0.010” Notch Radius, 23 °C (73 °F)			> 13
Tensile Stress at Yield, 23 °C	ISO 527	MPa	53
Tensile Modulus (MD)	ISO 527	MPa	2700
Flexural Strength, 23 °C	ISO 178	MPa	75
Flexural Modulus, 23 °C	ISO 178	MPa	2600
Hardness, Rockwell	ISO 2039-2	R scale	105
Thermal Properties			
Vicat Softening Temperature, B/2 (120 °C/h, 50N)	ASTM D 1525	°C	98
Heat Deflection Temperature A; (annealed 4 h/80 °C; 1.8 MPa)	ISO 75	°C	93
Heat Deflection Temperature B; (annealed 4 h/80 °C; 0.45 MPa)	ISO 75	°C	99
Coefficient of Linear Thermal Expansion	ISO 11359	10^(-6)/°C	70 to 100
Optical Properties			
Specular Gloss, 60 °	ASTM D 523	%	+98
Other Properties			

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Property, Test Condition	Standard	Unit	Values
Density	ISO 1183	kg/m³	1040
Processing			
Linear Mold Shrinkage	ISO 294-4	%	0.4 to 0.6