

PULSE™ A35-110

(PC+ABS)

Trinseo

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	14	g/10min	ISO 1133
Temperature	260	°C	-
Load	5	kg	-
ASTM Data			
Mold Shrinkage, MD	0.005	mm/mm	ASTM D 955
Mechanical properties			
ISO Data			
Tensile Modulus	2350	MPa	ISO 527
Yield stress	58	MPa	ISO 527
Yield strain	5	%	ISO 527
Stress at break	53	MPa	ISO 527
Strain at break	>50	%	ISO 527
Flexural modulus, 23°C	2200	MPa	ISO 178
Charpy impact strength, +23°C	N	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	35	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C	70	kJ/m ²	ISO 180/1A
Izod notched impact strength	50	kJ/m ²	ISO 180/1A
Temperature	-40	°C	-
Thermal properties			
ISO Data			
Temp. of deflection under load, 1.80 MPa	110	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	130	°C	ISO 75-1/-2
Vicat softening temperature, A	145	°C	ISO 306
Vicat softening temperature, B	132	°C	ISO 306
ASTM Data			
Coefficient of Thermal Expansion, MD	75.6	E-6/K	ASTM D 696
Thermal Conductivity, solid state	0.0288	W/(m K)	ASTM C 177
Limiting Oxygen Index	21	%	ASTM D 2863
Other properties			
Humidity absorption	0.6	%	Sim. to ISO 62
Density	1160	kg/m ³	ISO 1183

Characteristics**Special Characteristics**

High impact or impact modified, Heat stabilized or stable to heat

Regional Availability

Europe, Asia Pacific, Near East/Africa

Applications

Automotive