

DURANEX® 457EV

(PBT+PC)

Polyplastics

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Strength	46	MPa	ISO 527
Nominal strain at break	13	%	ISO 527
Flexural modulus, 23°C	1970	MPa	ISO 178
Flexural strength	73	MPa	ISO 178
Charpy notched impact strength, +23°C	21	kJ/m ²	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	75	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	90	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	100	E-6/K	ISO 11359-1/-2
Burning behav. at 1.5 mm nom. thickn.	V-0	class	IEC 60695-11-10
Thickness tested	1.5	mm	-
Yellow Card available	yes	-	-

Electrical properties	Value	Unit	Test Standard
ISO Data			
Volume resistivity	5E12	Ohm*m	IEC 62631-3-1
Electric strength	20	kV/mm	IEC 60243-1
Comparative tracking index	600	-	IEC 60112

Other properties	Value	Unit	Test Standard
Density	1370	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Mold temperature	65	°C	-
Zone 1	240	°C	-
Zone 2	260	°C	-
Zone 3	260	°C	-
Injection speed	70	mm/s	-

Characteristics**Processing**

Injection Molding

Additives

Flame retarding agent

Special Characteristics

Flame retardant, High impact or impact modified, U.V. stabilized or stable to weather, Heat stabilized or stable to heat

Chemical Resistance

Environmental Stress Crack Resistance

Applications

Automotive, Electrical and Electronical

Regional Availability

Asia Pacific