

DURANEX® 3405

PBT-GF45

Polyplastics

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Strength	162	MPa	ISO 527
Strain at break	1.7	%	ISO 527
Flexural modulus, 23°C	14500	MPa	ISO 178
Flexural strength	254	MPa	ISO 178
Charpy notched impact strength, +23°C	16	kJ/m ²	ISO 179/1eA
Rockwell hardness	M 100	-	ISO 2039-2

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	214	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	10	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	70	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	HB	class	IEC 60695-11-10
Yellow Card available	yes	-	-

Electrical properties	Value	Unit	Test Standard
ISO Data			
Volume resistivity	3E14	Ohm*m	IEC 62631-3-1
Electric strength	24	kV/mm	IEC 60243-1

Other properties	Value	Unit	Test Standard
Density	1700	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Mold temperature	65	°C	-
Zone 1	200	°C	-
Zone 2	220	°C	-
Zone 3	240	°C	-
Injection speed	67	mm/s	-

Characteristics**Processing**

Injection Molding

Regional Availability

Asia Pacific