

Durethan BTC65H3.0EF 901510
PA6-MX65

Envalior

ISO 16396-PA 6,MD65,GHR,S10-090

PA 6, 65% mineral, injection molding, heat-aging stabilized, improved heat conductivity

Rheological properties	dry / cond	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.7 / *	%	ISO 294-4, 2577
Molding shrinkage, normal	0.8 / *	%	ISO 294-4, 2577

Mechanical Properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	9900 / 3500	MPa	ISO 527
Stress at Break	90 / 50	MPa	ISO 527
Strain at Break	3 / 5	%	ISO 527
Impact Strength (Charpy), +23°C	45 / 35	kJ/m²	ISO 179/1eU
Impact Strength (Charpy), -30°C	25 / 20	kJ/m²	ISO 179/1eU

Thermal Properties	dry / cond	Unit	Test Standard
ISO Data			
Melting Temperature (10°C/min)	221 / *	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	145 / *	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	190 / *	°C	ISO 75-1/-2
Coeff. of Linear Therm. Expansion, parallel	50 / *	E-6/K	ISO 11359-1/-2
Coeff. of Linear Therm. Expansion, normal	60 / *	E-6/K	ISO 11359-1/-2
Burning Behav. at thickness h	HB / *	class	UL 94
Thickness tested	0.8 / *	mm	-

Electrical Properties	dry / cond	Unit	Test Standard
ISO Data			
Volume Resistivity	>1E13 / -	Ohm*m	IEC 62631-3-1
Electric Strength	37 / 35	kV/mm	IEC 60243-1
Comparative tracking index	600 / -	-	IEC 60112

Other Properties	dry / cond	Unit	Test Standard
ISO Data			
Water Absorption	3.4 / *	%	Sim. to ISO 62
Humidity absorption	1 / *	%	Sim. to ISO 62
Density	2000 / -	kg/m³	ISO 1183

Characteristics
Processing

Injection Molding

Delivery form

Pellets

Special Characteristics

Heat aging stabilized

Features

Thermally Conductivity