

Durethan BM25FN20 000000 DUS013
PA6-MD25

Envalior

ISO 16396-PA 6,MD25 FR(30),GF2HR,S14-060

PA 6, 25 % mineral, injection molding, halogen free flame retardant, optimized for laser marking (1064nm), heat-aging stabilized

Rheological properties	dry / cond	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.9 / *	%	ISO 294-4, 2577
Molding shrinkage, normal	0.9 / *	%	ISO 294-4, 2577

Mechanical Properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	5700 / 2100	MPa	ISO 527
Stress at Break	80 / 30	MPa	ISO 527
Strain at Break	3 / 7	%	ISO 527
Impact Strength (Charpy), +23°C	38 / 135	kJ/m ²	ISO 179/1eU

Thermal Properties	dry / cond	Unit	Test Standard
ISO Data			
Melting Temperature (10°C/min)	220 / *	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	90 / *	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	195 / *	°C	ISO 75-1/-2
Coeff. of Linear Therm. Expansion, parallel	60 / *	E-6/K	ISO 11359-1/-2
Coeff. of Linear Therm. Expansion, normal	70 / *	E-6/K	ISO 11359-1/-2
Burning Behav. at 1.5 mm Nom. Thickn.	V-2 / *	class	UL 94
Thickness tested	1.5 / *	mm	-
Burning Behav. at thickness h	V-2 / *	class	UL 94
Thickness tested	0.8 / *	mm	-

Electrical Properties	dry / cond	Unit	Test Standard
ISO Data			
Comparative tracking index	450 / -	-	IEC 60112

Other Properties	dry / cond	Unit	Test Standard
ISO Data			
Water Absorption	6.7 / *	%	Sim. to ISO 62
Density	1430 / -	kg/m ³	ISO 1183

Characteristics
Processing

Injection Molding

Delivery form

Pellets

Special Characteristics

Flame retardant, Halogen-free, Heat aging stabilized

Features

Laser Markable