

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/m²	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/m³	ISO 1183

Characteristics
Processing

Injection Molding

Special Characteristics

Flame retardant, Halogen-free, Heat aging stabilized

Delivery form

Pellets

Features

Laser Markable

Disclaimer
Liability Exclusion

These guide values are measured and provided by the product manufacturer and have been determined on standardised test specimens and can be affected by pigmentation, mould design and processing conditions. M-Base has taken the guide values from the producer's original Technical Data Sheet. **ALBIS AND M-BASE ARE THEREFORE NOT RESPONSIBLE FOR THE ACCURACY OF THE GUIDE VALUES AND CANNOT GIVE ANY WARRANTY WITH REGARD TO THEIR CORRECTNESS.**

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- any bodily implant application for greater than 30 days

- any critical component in any medical device that supports or sustains human life.

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