TECHNYL® A 216 MT25 BK

DOMO Engineering Plastics - *Polyamide 66*

General Information

Product Description			
*Previously DOMAMID 66M25 Polyamide 66, 25% mineral filler, for injection moulding			
General			
Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Filler / Reinforcement	• Mineral, 25% Filler by Weight		
Uses	• Consumer Applications	• Industrial Applications	
Agency Ratings	• EC 1907/2006 (REACH)		
RoHS Compliance	• RoHS Compliant		
Processing Method	• Injection Molding		
ISO Designation (ISO 16396)	• PA66,MD25,M,S14-040		
Resin ID (ISO 1043)	• PA66-MD25		

Properties [1]

Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.32	g/cm³	ISO 1183
Molding Shrinkage - Flow	1.1 to 1.3	%	ISO 294-4
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	653000	psi	ISO 527-1
Tensile Stress (Break)	10900	psi	ISO 527-2
Tensile Strain (Break)	10	%	ISO 527-2
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact Strength (73°F)	2.9	ft·lb/in²	ISO 180/1A
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale)	110		ISO 2039-2
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (66 psi, Unannealed)	428	°F	ISO 75-2/B
Deflection Temperature Under Load (264 psi, Unannealed)	302	°F	ISO 75-2/A
Vicat Softening Temperature	464	°F	ISO 306
Melting Temperature [2]	504	°F	ISO 11357-3
Electrical	**Nominal Value**	**Unit**	**Test Method**
Surface Resistivity	1.0E+13	ohms	IEC 62631-3-2
Volume Resistivity	1.0E+13	ohms·m	IEC 62631-3-1
Comparative Tracking Index (CTI)	PLC 1		IEC 60112
Comparative Tracking Index	500	V	IEC 60112
Flammability	**Nominal Value**	**Unit**	**Test Method**
Burning Rate (0.0394 in)	< 3.9	in/min	FMVSS 302
Flame Rating (0.030 in)	HB		UL 94

Processing Information

Injection	**Nominal Value**	**Unit**
Drying Temperature	167 to 185	°F
Drying Time	2.0 to 4.0	hr
Dew Point	< -22	°F
Processing (Melt) Temp	500 to 536	°F

Mold Temperature	176 to 248 °F

Injection Notes

The material is supplied in airtight bags, ready for use. In case that the virgin material has absorbed moisture, it must be dried with a dehumidified air drying equipment, dew point minimum -20°C. Recommended time 2-4h.

Notes

[1] Typical properties: these are not to be construed as specifications.

[2] 10°C/min