DOMAMID® 66I1H1



DOMO Engineering Plastics



Technical Data

eneral			
Material Status	Commercial: Active		
Literature ¹		SINEERING PLASTICS: In Che S LIST: DOMAMID & ECONAMI nglish)	
Search for UL Yellow Card	DOMO Engineering PlaDOMAMID®	estics	
Availability	 Asia Pacific 	 Europe 	 North America
Additive	 Heat Stabilizer 	 Impact Modifier 	
eatures	 Heat Stabilized 	 Impact Modified 	
Processing Method	 Injection Molding 		
Resin ID (ISO 1043)	• PA66-I		

Physical	Dry	Conditioned	Unit	Test Method
Density	1.10		g/cm³	ISO 1183
Molding Shrinkage ³				ISO 2577
Across Flow: 23°C, 72 hr	1.4 to 1.6		%	
Flow: 23°C, 72 hr	1.2 to 1.4		%	
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	2700	1350	MPa	ISO 527-2/1
Tensile Stress (Yield)	70.0	50.0	MPa	ISO 527-2/50
Tensile Strain (Break)	> 50	> 50	%	ISO 527-2/50
Flexural Modulus ⁴	2500		MPa	ISO 178
Flexural Stress ⁴	90.0		MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength (23°C)	15	25	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength				ISO 179/1eU
-30°C	No Break	No Break		
23°C	No Break	No Break		
Notched Izod Impact Strength (23°C)	14	23	kJ/m²	ISO 180/1A
Unnotched Izod Impact Strength (23°C)	No Break	No Break		ISO 180/1U
Hardness	Dry	Conditioned	Unit	Test Method
Rockwell Hardness (R-Scale)	115			ISO 2039-2
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
0.45 MPa, Unannealed	180		°C	ISO 75-2/B
1.8 MPa, Unannealed	65.0		°C	ISO 75-2/A
Vicat Softening Temperature	235		°C	ISO 306/B50
Melting Temperature	262		°C	ISO 11357-3
Electrical	Dry	Conditioned	Unit	Test Method
Surface Resistivity	1.0E+13		ohms	IEC 60093
Volume Resistivity	1.0E+15		ohms∙cm	IEC 60093
Comparative Tracking Index (Solution A)	600		V	IEC 60112
Flammability	Dry	Conditioned	Unit	Test Method
Burning Rate	< 100		mm/min	FMVSS 302
Flame Rating (0.8 mm)	НВ			UL 94
Additional Information	Dry	Conditioned	Unit	Test Method
ISO Shortname	PA66-I,MH,14-030			ISO 1874

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Polyamide 66 **DOMO Engineering Plastics**



Injection	Dry Unit	
Drying Temperature	75 to 85 °C	
Drying Time	2.0 to 4.0 hr	
Processing (Melt) Temp	270 to 290 °C	
Mold Temperature	40 to 80 °C	

Notes

- ¹ These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.
- $^{\rm 2}$ Typical properties: these are not to be construed as specifications.
- ³ 50% RH
- ⁴ 2.0 mm/min

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