ECONAMID AIR 66RC10H2 NC99

PA66-CF10 DOMO Engineering Plastics

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	**0.3 / ***	%	ISO 294-4, 2577
Molding shrinkage, normal	**0.8 / ***	%	ISO 294-4, 2577

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	**9500 / 6300**	MPa	ISO 527
Stress at break	**145 / 100**	MPa	ISO 527
Strain at break	**3.3 / 6**	%	ISO 527
Flexural modulus, 23°C	**7400 / 5800**	MPa	ISO 178
Charpy impact strength, +23°C	**35 / 75**	kJ/m²	ISO 179/1eU
Charpy notched impact strength, +23°C	**3.5 / 4.5**	kJ/m²	ISO 179/1eA

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	**262 / ***	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	**240 / ***	°C	ISO 75-1/-2
Burning behav. at thickness h	**HB / ***	class	IEC 60695-11-10
Thickness tested	**0.8 / ***	mm	-
Burning rate, FMVSS, Thickness 1 mm	**100**	mm/min	ISO 3795 (FMVSS 302)

Electrical properties	dry / cond	Unit	Test Standard
ISO Data			
Volume resistivity	**1000 / -**	Ohm*m	IEC 62631-3-1
Surface resistivity	*** / 10000**	Ohm	IEC 62631-3-2

Other properties	dry / cond	Unit	Test Standard
Density	**1190 / -**	kg/m³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	**75 - 85**	°C	-
Pre-drying - Time	**2 - 4**	h	-
Melt temperature	**270 - 300**	°C	-
Mold temperature	**80 - 110**	°C	-

Characteristics

Processing
Injection Molding

Applications
Automotive, Sports Equipment

Delivery form
Natural Color

Regional Availability
North America, Europe, Asia Pacific

Special Characteristics
Heat stabilized or stable to heat