"TORAY"
Innovation by Chemistry

AMILAN™

Amilan™ CM3304-V0
Nylon 66

TECHNICAL DATA

Product Description
Unreinforced, Halogen

Uses	• Connectors	• Electrical/Electronic Applications
Processing Method	• Injection Molding	
ISO Designation	• >PA66-FR(17)<	
Type	• Nylon66/Flame retardant	

ASTM & ISO Properties

Physical	Dry	Water Absorption	Unit	Test Method
Density (23°C)	1.31	--	g/cm³	ISO 1183
Molding Shrinkage				Internal Method
1.00 mm [1]	0.60 to 0.80	--	%	
3.00 mm [2]	1.00 to 1.40	--	%	
Water Absorption [3]				ISO 62
24 hr, 23°C	1.2	--	%	
Saturation, 23°C	8.0	--	%	
Mechanical	**Dry**	**Water Absorption**	**Unit**	**Test Method**
Tensile Strength (23°C)	75	55	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	3.5	6.0	%	ISO 527-2
Flexural Modulus (23°C)	2900	1300	MPa	ISO 178
Flexural Stress (23°C)	110	60	MPa	ISO 178
Impact	**Dry**	**Water Absorption**	**Unit**	**Test Method**
Charpy Notched Impact Strength				ISO 179
23°C	4.0	9.5	kJ/m²	
Hardness	**Dry**	**Water Absorption**	**Unit**	**Test Method**
Rockwell Hardness				ISO 2039-2
R-Scale, 23°C	120	--		
Thermal	**Dry**	**Water Absorption**	**Unit**	**Test Method**
Melting Temperature	244	--	°C	DSC
Coefficient of Linear Thermal Expansion	10	--	cm^-5/cm/°C	ISO 11359-2
Electrical	**Dry**	**Water Absorption**	**Unit**	**Test Method**
Volume Resistivity	1.0E+13	--	ohms·m	IEC 60093
Electric Strength	25	--	kV/mm	IEC 60243-1
Flammability	**Dry**	**Water Absorption**	**Unit**	**Test Method**
Flame Rating (0.73 mm)	V-0	V-0		UL 94

Additional Information

Dry	Water absorption Moisture Content 1.8%

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