

Amilan® CM3301L

Polyamide 66
Toray Resin Company

Message:
Amilan® CM3301L is a Polyamide 66 (Nylon 66) product. It is available in Asia Pacific, Europe, or North America. Primary characteristic: good toughness.

General Information				
Features		Ultra High Toughness		
Part Marking Code		>PA66<		
Physical	Dry	Conditioned	Unit	Test Method
Density (23°C)	1.14	--	g/cm ³	ISO 1183
Water Absorption				ISO 62
23°C, 24 hr	1.2	--	%	
Saturation, 23°C	8.0	--	%	
Hardness	Dry	Conditioned	Unit	Test Method
Rockwell Hardness (R-Scale, 23°C)	118	99		ISO 2039-2
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Stress (23°C)	75.0	--	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	37	50	%	ISO 527-2
Flexural Modulus (23°C)	2600	--	MPa	ISO 178
Flexural Stress (23°C)	105	--	MPa	ISO 178
Compressive Stress (23°C)	100	--	MPa	ISO 604
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength (23°C)	4.0	--	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength				ISO 179
-40°C	No Break	--		
23°C	No Break	--		
Thermal	Dry	Conditioned	Unit	Test Method
Melting Temperature	245	--	°C	DSC
Electrical	Dry	Conditioned	Unit	Test Method
Volume Resistivity	1.0E+14 to 1.0E+15	1.0E+12 to 1.0E+13	ohms·cm	IEC 60093
Flammability	Dry	Conditioned	Unit	Test Method
Flammability	Self-Extinguishing	--		UL 94

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

