TORAY
Innovation by Chemistry

AMILAN® Nylon Resin

Amilan®

TORAY Nylon Resin "Amilan" QS15

Property			Test Method	Units	QS15
Feature					Heat Stabilized
ISO Designation					>PA6-GF40<
ISO Properties					
Physical					
Moisture content			ISO 15512	%	0.08
Density		23°C	ISO 1183	kg/m^3	1459
Mold Shrinkage		MD	ITS Method	%	0.4
		TD	ITS Method	%	1.0
Mechanical					
Tensile Yield Strength(dry)		23°C	ISO 527-1, -2	MPa	207
Elongation at Break(dry)		23°C	ISO 527-1, -2	%	2.9
Flexural Strength(dry)		23°C	ISO 178	MPa	316
Flexural Modulus(dry)		23°C	ISO 178	MPa	11638
Impact					
Charpy Impact Strength(dry)	V-notched	23°C	ISO 179	kJ/m^2	17.2
Thermal					
Heat Deflection Temp.		0.45MPa	ISO 75-2	°C	219
		1.80MPa	ISO 75-2	°C	211

Please contact TORAY for SDS (Safety Data Sheet), general guides and additional information.

Note: These values are typical data for this product under specific test conditions and not intended for use as limiting specifications.

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