

RILSAN® TMVO

Rilsan® TMVO resin - Rilsan® POLYAMIDE 1010 (PA1010)

Rilsan® TMVO resin is a dried polyamide 1010 resin neat produced from a renewable source. This natural grade is a designed for compounding, filament extrusion and some injection molding applications.

Percentage of renewable carbon according to ASTM D 6866: >99%.

PROPERTIES	DRY / COND	UNIT	TEST STANDARD
MECHANICAL PROPERTIES			
Tensile Modulus	1600 / -	MPa	ISO 527-1/-2
	232000 / -	psi	
Charpy Impact Strength, +23°C	No Break / -	kJ/m²	ISO 179/1eU
Charpy Impact Strength, -30°C	No Break / -	kJ/m²	ISO 179/1eU
Charpy Notched Impact Strength, +23°C	16 / -	kJ/m²	ISO 179/1eA
	7.61 / -	ftlb/in²	
Charpy Notched Impact Strength, -30°C	11 / -	kJ/m²	ISO 179/1eA
	5.23 / -	ftlb/in²	
THERMAL PROPERTIES			
Melting Temperature, 10°C/min	202 / *	°C	ISO 11357-1/-3
Temp. of Deflection Under Load, 1.80 MPa	50 / *	°C	ISO 75-1/-2
	122 / *	°F	
OTHER PROPERTIES			
Density	1040 / -	kg/m³	ISO 1183
	1.04 / -	g/cm³	
%Bio-Based	99	-	ASTM D6866

SPECIAL CHARACTERISTICS	
Bio-Based	
REGIONAL AVAILABILITY	
North America, Europe, Asia Pacific, South and Central America, Near East/Africa	