

TechResin[®] 9011

TechResin[®] 9011 is a general purpose, high melt flow rate, impact copolymer grade designed for high speed injection molding applications and automotive compounding. This material meets the requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520.

Typical Properties¹

•••	Values		ASTM
	English Units	SI Units	Method
Resin			
Density	0.910g/cc	0.910 g/cc	D792
Melt Flow Rate, 230 C/2.16 kg	90 g/10 min	90 g/10 min	D1238
Injection Molded Sample			
Tensile Strength (2 in/min)			D638
@ Yield	4,170 psi	28.8 MPa	
@ Break	2,950 psi	20.4 MPa	
Elongation (2 in/min)			D638
@ Yield	5.80 %		
@ Break	35.4 %		
Flexural Modulus			D790A
1% Secant	194,000 psi	1,334 MPa	
Notched Izod Impact Strength			D256
@ 23 C	1.1 ftlbf/in	6.0 kJ/m^2	
Heat Deflection Temperature			D648
@ 66 psi (455 kPa) Rockwell	227 °F	109 °C	
Hardness, R-scale	94	94	D785

¹ Typical properties will vary and are not to be used for specifications.

MDT does not guarantee reproduction of these results. This is not a Certificate of Analysis and the customer is responsible for testing and confirming the Material Properties before making commercial use of the product to ensure that the product is fit for the intended application and that the product can be used, and any waste material disposed of, safely, properly, and legally based on the customer's or other's circumstances. Determination of the suitability and fitness of the product for any particular application is the sole responsibility of the purchaser of the product. This information is solely intended for informational purposes. This material confirmation relates solely to the product listed above and not as incorporated in any product or used in any process. Material Difference Technology makes no warranty or representation of any kind, regarding the information given or the products described, and expressly disclaims all implied warrantie s and conditions of quality, merchanitbility and suitability or fitness for a particular purpose. the customer or other user of the product assumes all risk and liability arising out of the use of the product, whether used alone or in combination with other materials. The presence absence on lack of information herein with respect to any particular international, national, federal, state or local law, statute, regulation, order or rule should not be construed to mean that product is regulated under, complies with or is exempt from such international, antional, federal state or local law, statute, regulation, order or rule