

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 Method
	English Units	SI Units	
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 ft.-lbf/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.