

Diamond Polymers NPP25-0604 Impact Copolymer Polypropylene

Categories: [Polymer](#); [Thermoplastic](#); [Polypropylene \(PP\)](#); [Polypropylene Copolymer](#); [Polypropylene, Impact Modified](#); [Molded/Extruded](#)

Material Notes: Information Provided by Diamond Polymers, Inc. & Network Polymers, Inc.

Key Words: Impact Copolymer Polypropylene

Vendors: No vendors are listed for this material. Please [click here](#) if you are a supplier and would like information on how to add your listing to this material.

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ASTM D792
Melt Flow	6.00 g/10 min @Load 10.0 kg, Temperature 230 °C	6.00 g/10 min @Load 22.0 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	110	110	ASTM D785
Tensile Strength, Yield	30.0 MPa	4350 psi	chs 50 mm/min; ASTM D638
Elongation at Yield	9.00 %	9.00 %	chs 50 mm/min; ASTM D638
Flexural Modulus	1.378 GPa	199.9 ksi	chs 1.3 mm/min; 1% secant; ASTM D790
Izod Impact, Notched 	0.850 J/cm @Thickness 3.17 mm, Temperature 0.000 °C	1.59 ft-lb/in @Thickness 0.125 in, Temperature 32.0 °F	ASTM D256
	2.14 J/cm @Thickness 3.17 mm, Temperature 23.0 °C	4.01 ft-lb/in @Thickness 0.125 in, Temperature 73.4 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	115 °C	239 °F	ASTM D648

Some of the values displayed above may have been converted from their original units and/or rounded in order to display the information in a consistent format. Users requiring more precise data for scientific or engineering calculations can click on the property value to see the original value as well as raw conversions to equivalent units. We advise that you only use the original value or one of its raw conversions in your calculations to minimize rounding error. We also ask that you refer to MatWeb's [terms of use](#) regarding this information. [Click here](#) to view all the property values for this datasheet as they were originally entered into MatWeb.