

FORMflex

POLYPROPYLENE MATERIAL PROPERTIES

FORMflex polypropylene resin meets the conditions of section 21 CFR, Section 177.1520, of the USA Food and Drug Administration's (FDA) Code of Federal Regulations. The resin may be safely used to produce packaging material, containers, and equipment intended for use in producing, manufacturing, packing, processing, preparing, treating, packaging, transporting, or holding food up to a temperature of 212° F.

Features:

Excellent source reduction resin.

Versatile processing with minimal odor and low taste transfer.

Superior clarity with good color reproduction.

Good toughness at refrigerator temperatures.

This data is presented only as typical properties, which to the best knowledge is true and accurate. However, since conditions of use are beyond our control, all recommendations or suggestions are presented without guarantee or responsibility on our part. We disclaim all liability in connection with the use of information contained herein or otherwise. All risks of such use are assumed by the user. Furthermore, nothing contained herein shall be construed as an inducement or recommendation to use any process, or to manufacture or use any product in conflict with existing or future patents.

Melt Flow Rate (230/2.16, g/10 min.)	D 1238	2
Density (@ 23°C, g/cm ³)	D 792B	0.90
Tensile Strength Yield psi (Mpa)	D 638	4,000 (28)
Elongation (%)	D 638	13
Flexural Modulus		
1% Secant @ .05 in./min., psi (Mpa)	D 790A	140,000 (940)
Deflection Temperature		
@ 66 psi/455 kPa - °F (°C)	D 648	174 (79)
Notched IZOD Impact Strength		
@23° C, Ft.-lbs./in. (J/m)	D 256A	6.1 (330)
Haze Percent	D 1003	14

Note: Random copolymers become brittle somewhere between 0 & 4° celsius.