



Typical Physical Properties of Popular Polypropylene Resins

This chart lists physical properties of popular thermoformable polypropylene packaging resins. They are easily processed using standard thermoforming equipment. Each grade, however, is different. It is important to select the right resin for your application, making sure that you do not get more or less performance than you need. Please contact Pacur™ for help determining the best material for your application.

PHYSICAL PROPERTY	RESIN	TYPE	COPOLYMER		
		GRADE	6020	7000	7012
	ASTM METHOD	CLARIFIED	IMPACT	IMPACT	CLARIFIED
MELT FLOW RATE g/10 min	D 1238	2.1	.450	.5	2.5
DENSITY (gm/cc)	D 792	.900	.902	.900	.900
TENSILE STRENGTH @ YIELD, (PSI)	D 638	5600	4000	4000	4150
FLEXURAL MODULES (000 PSI)	D 790	255	160	195	145
NOTCHED IZOD IMPACT @ 73°F, FT-LBS/IN	D 256	.7	NB	NB	9.8
ROCKWELL HARDNESS ("R" Scale)	D 785	104	80	75	N/A
DEFLECTION TEMP. @ 66 PSI., (F)	D 648	244	190	190	162
MVTR (Grams / Mil / 100 in ² /24 Hr.)		.7	.7	.7	.7

Note: The above information has been compiled from the property data and literature sheets of the various manufacturers. Pacur™ assumes no liability nor responsibility for the accuracy of this information.

3555 MOSER STREET • OSHKOSH, WISCONSIN 54901 • (920) 236-2888 • FAX (920) 236-2882
www.pacur.com

PACUR is an ISO 9001 company