

# Polypropylene

Injection Molding  
Typical Properties Guide

POLYOLEFINS

Product Number	Mechanical Properties						Thermal Properties	
	Melt Flow Rate ASTM D1238	Tensile Strength at Yield ASTM D 638	Elongation at Yield ASTM D 638	Flexural Modulus ASTM D 790	Izod Impact Notched @ 23 °C ASTM D 256	Hardness Rockwell R ASTM D 288A	Melting Point DSC	Heat Deflection Temperature ASTM D 648
Units	g/10 min	psi M Pa	%	psi M Pa	ft-lb/in J/m		°F °C	°F °C
<b>Random Copolymers</b>								
TOTAL 7425	4	3,200 22	11	90,000 620	1.3 69	85	293 145	190 88
TOTAL 7525MZ	10	4,200 29	10	150,000 1035	1.0 53	90	300 149	220 104
TOTAL 7824MR	27	4,300 30	11	140,000 965	1.4 74	84	293 145	190 88
TOTAL M6823MZ	30	4,200 (29)	12	173,000 (1,190)	0.7 37	NA	277 136	192 89
TOTAL 7823M	30	4,300	11	140,000	1.4	84	293	190
TOTAL 7823MZ		30		965	74		145	88
TOTAL 6823MZ	32	4,500 31	10	150,000 1,035	1.0 53	90	300 149	185 85
TOTAL 6824MZ	35	4,300 30	12	140,000 965	1.5 79	NA	293 145	181 89
TOTAL 6925MZ	80	4,500 31	10	160,000 1,100	0.9 48	90	300 149	185 85

W = nucleated, Z = antistat, M = clarified, C = slip, R = radiation stability

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