

Polypropylene

Injection Molding
Random Copolymer
Typical Properties Guide

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
Random Copolymers								
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 7823MZ	30	4,300 30	11	140,000 965	1.4 74	84	293 145	190 88
TOTAL 6823MZ	32	4,500	10	150,000	1.0	90	300	185
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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POLYOLEFINS

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