

Polypropylene

Product Number		Mechanical Properties					Thermal Properties		
		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	Izod Impact Notched @ -20 °C ASTM D 256	Melting Range TOTAL	Vicat Softening Point ASTM D 1525	Heat Deflection Temperature ASTM D 648
	g/10 min	psi M Pa	%	psi M Pa	ft-lb/in J/m	ft-lb/in J/m	°F °C	°F °C	°F °C
Impact Copolymers									
TOTAL 4280W	1.3	3,600 25	7	190,000 1,300	No Break	1.4 70	320-330 160-165	306 152	200 93
TOTAL 4481WZ	4	4,900 34	7	250,000 1,770	2.5 135	NA	320-330 160-165	NA	243 117
TOTAL 4524WZ	7	3,800 26	7	170,000 1,180	3.5 188	1.4 70	320-330 160-165	298 148	194 90
TOTAL 4624WZ	13	3800 27	7	160,000 1100	10 535	1.5 75	320-330 160-165	298 148	194 90
TOTAL 5720WZ	20	3,400 23	7	190,000 1,300	3.6 180	1.1 55	320-330 160-165	302 150	194 90
TOTAL 5724	20	3,100 21	7	130,000 910	No Break	1.5 75	320-330 160-165	289 143	187 86
TOTAL 4720	25	3,700 25	7	175,000 1,200	1.9 100	0.8 40	320-330 160-165	299 148	191 88
TOTAL 4720WZ	25	4000	6	210,000	2.0	0.9	320-330	302	194
TOTAL 4720XWZ		27		1,450	105	45	160-165	150	90
TOTAL 4820WZ	35	4000 27	6	200,000 1,380	1.5 80	0.7 37	320-330 160-165	302 150	212 100
TOTAL 4824WZ	40	3,700 25	6	170,000 1,170	1.9 100	0.9 44	320-330 160-165	294 145	203 95
TOTAL 4944WZ	50	3,700	5	210,000	1.5	0.6	320-330	302	194
TOTAL 4944CWZ		25		1,450	80	30	160-165	150	90
TOTAL 5946WZ	75	3,700 25	6	180,000 1,250	1.4 74	0.7 37	320-330 160-165	NA	230 110
TOTAL 5945WZ	80	3,700 25	6	180,000 1,250	1.6 85	0.7 37	320-330 160-165	NA	230 110
TOTAL 4920WZ	105	3,700 25	6	190,000 1,300	1.0 53	0.5 26	320-330 160-165	302 150	194 90

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

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