

## Polypropylene

Product Number	Mechanical Properties						Thermal Properties		
	Melt Flow Rate ASTM D 1238	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
Units	g/10 min	psi M Pa	%	psi M Pa	ft-lb/in J/m	ft-lb/in J/m	Rockwell R	°F °C	°F °C
<b>Homopolymers</b>									
TOTAL 3287WZ	1.8	4,800 33	14	200,000 1,378	1.3 69	NA	NA	NA	NA
TOTAL 3276	2	5,200 36	10	175,000 1,200	0.8 40	NA	325-335 160-165	224 107	NA
TOTAL 3270	2	NA	NA	NA	NA	NA	329 165	NA	NA
TOTAL M3282MZ	2.3	4,900 34	>72	216,000 1,490	1.3 65	NA	307 153	NA	207 97
<b>Random Copolymers</b>									
TOTAL 6289MZ	1.5	4,400 30	9	140,000 969	1.4 70	NA	325-335 160-165	NA	205 96
<b>Impact Copolymers</b>									
TOTAL 4180	0.7	3,900 27	11	175,000 1,200	No Break	1.5 80	325-335 160-165	302 150	194 90
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	NA	320-330 160-165	NA	117

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

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