

Comparison of Compounds Physical Properties⁽¹⁾

Compounds	Standard			Specialty				
	6375	7075	4079	1050LF	1058	3018	2037	
Durometer Hardness ⁽²⁾ , Shore A, points +/- 5	75	75	75	82	65	91	79	
100% Modulus ⁽³⁾	psi	1050	1100	1050	1800	675	2450	900
	MPa	7.2	7.6	7.2	12.4	4.7	16.9	6.2
Tensile Strength at Break ⁽³⁾	psi	2200	2600	2450	2700	1300	3150	2450
	MPa	15.1	17.9	16.5	18.6	9.0	21.7	16.9
Elongation at Break ⁽³⁾ , %	160	160	150	125	180	125	200	
Compression Set ⁽⁴⁾ , % 70 hours at 204 °C (400 °F)								
		30	12	25	35	40	35	27
Brittle Point ⁽⁵⁾ , °C		-	-	-50	-41	-40	-37	-54
	°F	-	-	-58	-42	-41	-35	-65
(1) Not to be used for specifications (2) ASTM D2240 (3) ASTM D412, 500 mm/min (20 in/min) (4) ASTM D395B pellets (5) ASTM D746								