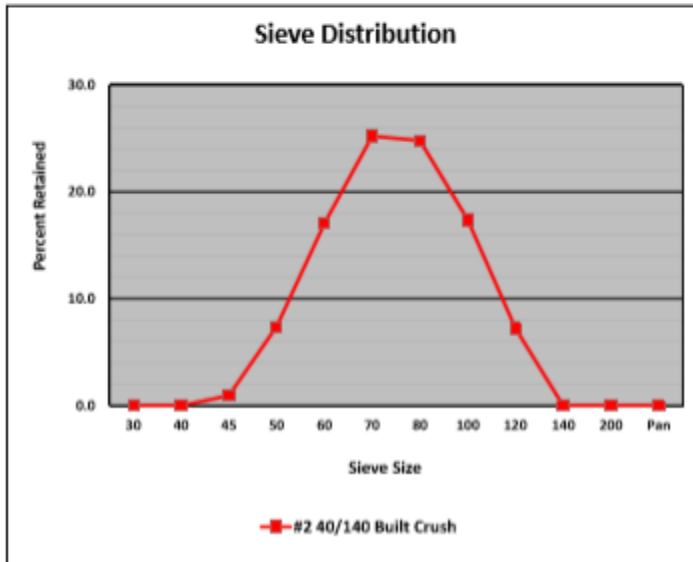


Figure 2: Particle Distribution Graph
#2 40/140 Built Crush

Median : 0.213 mm Mean : 0.220 mm

Mech Size (mm)	Sieve #	#2 40/140 Built Crush
0.600	30	0.0
0.425	40	0.0
0.355	45	1.0
0.300	50	7.4
0.250	60	17.0
0.212	70	25.2
0.180	80	24.8
0.150	100	17.4
0.125	120	7.2
0.106	140	0.0
0.075	200	0.0
<0.075	Pan	0.0

Sieve	Typical Amount
30	≤ 0.1%
40 + 45	0-10%
50 to 140	90% min
-140	7% max
Pan	≤ 1.0%
crush	6K



JW Sands

RFA#101-18-01-97-25-C

Figure 1: Proppant Test Data -#2 40/140 Built Crush

Quick Check ✓		API RP-19C	#2 40/140 Built Crush	
Particle Size Distribution, mm	Mesh size			
	0.600	30	≤ 0.1	0.0
	0.425	40		0.0
	0.355	45		1.0
	0.300	50		7.4
	0.250	60		17.0
	0.212	70		25.2
	0.180	80		24.8
	0.150	100		17.4
	0.125	120		7.2
	0.106	140		0.0
	0.075	200		0.0
	<0.075	Pan	≤ 1.0	0.0
	Total			100.0
	% In Size		≥ 90	100.0
Mean Particle Diameter, mm				0.220
Median Particle Diameter (MPD), mm				0.213
Crush Check ✓				
API Crush Analysis (% Fines)				
4lb/ft2 @ 6,000 psi		≤ 10	9.4	
API Crush Analysis (% Fines)				
4lb/ft2 @ 7,000 psi		≤ 10	12.2	

Meets API RP-19C standards

Fails API RP-19C standards