

Figure 1: Proppant Test Data - 20/40 RCP-S2403

(Color Code is based on Variance from Sample Received Data)

Quick Chek ✓		ISO 13503-2	20/40 PCRS Public Domain	20/40 RCP-S2403
Turbidity (NTU)		≤ 250	< 250	21
Krumbein Shape Factors				
Roundness		≥ 0.6	0.75	0.7
Sphericity		≥ 0.6	0.75	0.65
Clusters (%)		≤ 1.0	0	0
Bulk Density (g/cc)			1.60	1.47
Bulk Density (lb/ft ³)			100.00	91.88
Specific Gravity			2.58	2.54
Particle Size Distribution, mm		Mesh size		
	1.180	16	≤ 0.1	0.0
	1.000	18		0.0
	0.850	20		2.6
	0.710	25		>90
	0.600	30		>90
	0.500	35		>90
	0.425	40		>90
	0.300	50		0.0
	<0.300	Pan	≤ 1.0	0.0
	Total			0
% In Size		≥ 90	90.00	97.4
Mean Particle Diameter, mm				0.710
Median Particle Diameter (MPD), mm			0.660	0.710
Solubility in 12/3 HCL/HF for 0.5 HR @ 150°F (% Weight Loss)		≤ 2.0	0.30	0.5
Settling Rate (ft/min)				84.36
Crush Chek ✓				
ISO Crush Analysis (% Fines) 4lb/ft ² @ 15,000 psi		≤ 10		1.0
Unconfined Compressive Strength, PSI, 250°F, 24 hour shut in, 1000 psi closure, 2% KCL				909
Res Chek ✓				
% Loss on Ignition (Resin Content)				4.16
Coating Efficiency				100
pH of Water Extract				
	Initial pH			7.99
	mL NaOH to pH 9			1.50
	mL NaOH to pH 10			6.50
	mL NaOH to pH 11			16.20

Meets ISO 13503-2/API 19C standards

Fails ISO 13503-2/API 19C standards

Figure 2: Particle Distribution Graph

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Median : 0.710 mm Mean : 0.710 mm

Mesh Size (mm)	Sieve #	20/40 PCRS Public Domain	20/40 RCP-S2403
1.180	16		0.0
1.000	18		0.0
0.850	20		2.6
0.710	25	>90	46.5
0.600	30	>90	47.4
0.500	35	>90	3.5
0.425	40	>90	0.0
0.300	50		0.0
<0.300	Pan	0.0	0.0

