



TXDOT Base — Laboratory Test Results

Flexible Base Material — 2014 TxDOT Item 247

Source: Stockpile at Cooper Stone's Quarry, Jarrell, Texas — Orangish-Tan Crushed Limestone

Gradation (TEX-110-E) — Cumulative Percent Retained, %

Sieve Size	Measured	Type A Grade 1-2	Type A Grade 3	Type A Grade 5	Comment
2-1/2"	0	0	0	0	Meets Type A Grade 1-2, 3 & 5
1-3/4"	0	0 to 10	0 to 10	0 to 5	Meets Type A Grade 1-2, 3 & 5
7/8"	15	10 to 35	—	10 to 35	Meets Type A Grade 1-2 & 5
3/8"	36	30 to 65	—	35 to 65	Meets Type A Grade 1-2 & 5
No. 4	53	45 to 75	45 to 75	45 to 75	Meets Type A Grade 1-2, 3 & 5
No. 40	90	65 to 90	50 to 85	70 to 90	Meets Type A Grade 1-2 & 5; does not meet Type A Grade 3

Classification Tests — Summary

Test	TxDOT Procedure	Measured	Grade 1-2	Grade 3	Grade 5	Comment
Wet Ball Mill Value	TEX-116-E	39	Max 40	—	Max 40	Meets Requirements
Increase in Passing No. 40 Sieve	TEX-116-E	10	Max 20	—	Max 20	Meets Requirements
Liquid Limit	TEX-104-E	25	Max 40	Max 40	Max 35	Meets Requirements
Plastic Limit	TEX-105-E	16	—	—	—	—
Plasticity Index	TEX-106-E	9	Max 10	Max 12	Max 10	Meets Requirements

Summary

Based on the test results, the sample meets the requirements for TxDOT Type A Grade 1-2 and Type A Grade 5 flexible base material. With the exception of percent retained on the No. 40 sieve, the sample also meets the requirements for TxDOT Type A Grade 3 flexible base material. With the exception of percent retained on the No. 200 sieve, the sample meets the requirements for the Williamson County Subdivision Regulations base material.