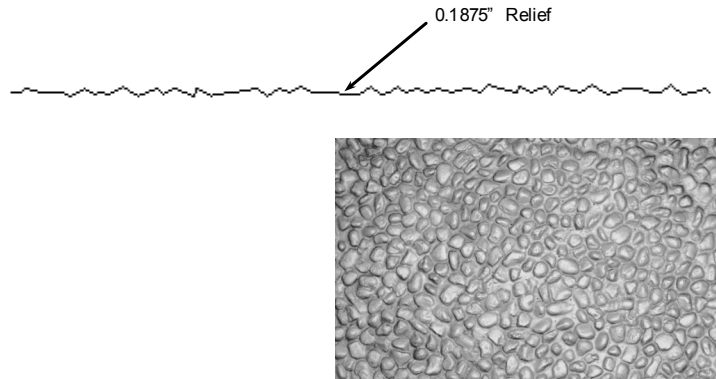


Stone 1285 Pea Gravel



| HIPS - High Impact Polystyrene (Single use only) | | |
|---|---------------|-------------|
| Properties | Rating | ASTM |
| IZOD Impact, ft.-lb/in. | | |
| @70°F | 2.0 | D256 |
| @0°F | 1.3 | D256 |
| Tensile Strength | 3,700 psi | D638 |
| Heat Deflection | 188 | D695 |
| Vicat Softening | 212 | D1525 |
| Wt.lb./sq.ft. | | |
| .070 mil | .449 | |
| .090 mil | .577 | |
| .110 mil | .705 | |
| .130 mil | .833 | |
| .150 mil | .966 | |
| ABS - Acrylonitrile-Butadiene Styrene (Multiple uses up to 10 times) | | |
| Properties | Rating | ASTM |
| IZOD Impact, ft.-lb/in. | | |
| @73° | 5.6 | D256 |
| @0° | 1.9 | D256 |
| Tensile Strength | 5,300 psi | D638 |
| Heat Deflection | | |
| @264 psi | 199 | D648 |
| @66 psi | 211 | D648 |
| Falling Dart Impact, ft.-lb. | | |
| @73°F | 23 | |
| @40°F | 14 | |
| Specific Gravity | 1.05 | D792 |
| Wt. lb./sq.ft. | | |
| .070 mil | .451 | |
| .090 mil | .580 | |
| .110 mil | .705 | |
| .130 mil | .833 | |
| .150 mil | .961 | |
| PE - Polyurethane Elastomer (Multiple uses up to 40-50 times) | | |
| Properties | Rating | ASTM |
| Shore A Hardness | 45-50 | D2240 |
| Tear Strength, PLI | 55 | D624 |
| Tensile Strength, psi | 500 | D638 |
| Ultimate Elongation | 40% | D638 |
| PPE - Premium Polyurethane Elastomer (Multiple uses up to 100+ times) | | |
| Properties | Rating | ASTM |
| Shore A Hardness | 60-65 | D2240 |
| Tear Strength, PLI | 120 | D624 |
| Tensile Strength, psi | 1150 | D638 |
| Ultimate Elongation | 1200% | D638 |
| Tolerances @ 70F (All patterns, all materials) | | |
| Standard size: 4'x10' | | |
| Length: +1" to 2", -0" (shipped long for field trimming) | | |
| Width: ± 1/4" | | |
| Thickness: ± 1/16" at edge (except over 1" thick) | | |
| Custom size: At customer request, additional charge. | | |

Application Summary

Reusability – Single-use HIPS plastic, medium-use ABS plastic, and extended-use PE and PPE elastomeric materials are available for your specific concrete forming application.

Rate-of-Pour – Formliners are typically designed to withstand concrete placement of five feet per hour, but there are other materials/methods available if an application exceeds this limit.

Attachment

Formliners are used in cast-in-place, precast or tilt-up. All mounting surfaces should be clean and dry. ABS and HIPS materials can be installed using screws or staples. PE and PPE materials are typically plywood-mounted with adhesive and subsequently bolted to formwork. Adhesive tapes, foam tapes and silicone caulks are used at joints and seams to minimize grout leakage.

Alignment

The formwork must be properly aligned and in common planes. A “stack up” of tolerances can result in a noticeable “step” in the finished concrete surface, especially with “shallow” formliner patterns. Reveals or rustications are recommended at joints to simplify forming, accentuate the texture and reduce grout leakage.

Form Release

Formliners should be sprayed with a premium form release before each use and within the same day concrete is placed. Form release should be applied with a low-flow, wide-angle, flat-spray nozzle and wipe with a cloth to insure an evenly-coated formliner surface. Formliners should always be covered when not in use.