

Expandable Polystyrene Resins

Product Chart



Recommended Minimum Expanded Density

| | Targeted Pentane Content (% Weight) | Mean Unexpanded Bead Size (millimeters) | Single Pass Continuous (Pounds per Cubic Foot (pcf)) | Double Pass Continuous (pcf) | Batch (pcf) | End-Use Applications |
|--|-------------------------------------|---|--|------------------------------|-------------|--|
| Modified Grades | | | | | | |
| 33MA | 6.4 | 1.40 | 0.90 | 0.75 | 0.90 | Insulation, Bean Bags, SIPs, Flotation |
| 33MB | 6.1 | 0.85 | 1.00 | 0.80 | 0.90 | Insulation, SIPs, ICFs, Fabricated Packaging |
| 33MC | 5.9 | 0.50 | 1.25 | 1.00 | 1.00 | Insulation, SIPs, ICFs, Fabricated & Custom Packaging |
| 33MAHD | 5.3 | 1.40 | 1.35 | 0.90 | 0.90 | Insulation, Board Stock, Geofoam |
| 33MBHD | 5.2 | 0.85 | 1.35 | 0.90 | 0.90 | Insulation, SIPs, ICFs, Fabricated Packaging, Geofoam |
| 35MB | 5.2 | 0.85 | 1.25 | 1.00 | 1.00 | Insulation, SIPs, ICFs, Fabricated & Custom Packaging |
| 35MC | 5.0 | 0.50 | 1.50 | 1.15 | 1.10 | Insulation, SIPs, ICFs, Fabricated & Custom Packaging |
| M77A | 6.3 | 1.25 | 0.90 | 0.75 | 0.85 | Insulation, Bean Bags, SIPs, Flotation |
| M77B | 6.5 | 0.85 | 0.90 | 0.75 | 0.90 | Insulation, SIPs, Fabricated Packaging |
| M77BX | 6.5 | 0.85 | 0.90 | 0.75 | 0.90 | Insulation, SIPs, Fabricated Packaging, Faster Age/Cycle Times |
| Low Pentane Modified Grades | | | | | | |
| 35MAG | 4.1 | 1.40 | 2.20 | - | 1.25 | High Density, Types XIV and XV, Geofoam |
| 35MBG | 4.0 | 0.85 | 2.20 | - | 1.25 | High Density, Types XIV and XV, Geofoam |
| 35MCG | 3.9 | 0.50 | - | - | 1.40 | High Density, Types XIV and XV, Geofoam |
| M77BLV | 4.5 | 0.85 | 1.20 | 0.90 | 0.90 | Insulation, SIPs, ICFs, Fabricated Packaging, Geofoam |
| M77AG | 4.2 | 1.25 | 2.00 | - | 0.95 | High Density, Types XIV and XV, Geofoam |
| M77BG | 3.8 | 0.85 | 2.20 | - | 1.25 | High Density, Types XIV and XV, Geofoam |
| M77CG | 4.5 | 0.60 | - | - | 1.30 | Insulation, ICFs, Fabricated & Custom Packaging, Lamination, Geofoam |
| Regular Grades | | | | | | |
| 34RA | 6.1 | 1.40 | 1.10 | 0.90 | 0.90 | Fabricated Packaging |
| 34RB | 5.9 | 0.85 | 1.20 | 1.00 | 1.00 | High Strength Packaging and Produce Boxes |
| 34RC | 5.7 | 0.50 | 1.30 | 1.00 | 1.00 | High Strength Packaging and Produce Boxes |
| R185B | 5.2 | 0.85 | 1.40 | - | 1.10 | High Strength Packaging and Produce Boxes |
| R185C | 5.6 | 0.60 | 1.30 | - | 1.10 | High Strength Packaging and Produce Boxes |
| Low Pentane Regular Grades | | | | | | |
| 34RAIP | 4.8 | 1.40 | - | - | 0.90 | Fabricated Packaging |
| 34RBIP | 4.7 | 0.85 | - | - | 1.00 | High Strength Packaging and Produce Boxes |
| 34RCIP | 4.5 | 0.50 | - | - | 1.10 | High Strength Packaging and Produce Boxes |
| 34RALV | 4.2 | 1.40 | - | - | 1.20 | High Density Fabricated Packaging |
| 34RBLV | 4.2 | 0.85 | - | - | 1.20 | High Strength/High Density>1.25pcf Packaging and Produce Boxes |
| 34RCLV | 4.0 | 0.50 | - | - | 1.40 | High Strength/High Density>1.50pcf Packaging and Produce Boxes |
| R175BLV | 3.5 | 0.85 | - | - | 1.60 | High Strength/High Density>1.80pcf Packaging and Produce Boxes |
| R185BLV | 4.0 | 0.85 | 2.20 | - | 1.20 | High Strength Packaging and Produce Boxes |
| DYLITE[®] Specialty Grades | | | | | | |
| F271CNL | 6.0 | 0.50 | 1.60 | - | 1.20 | Thin Wall Packaging, Containers |
| F271TN | 5.6 | 0.40 | 3.00 | - | 2.70 | Noodle Bowls, Cups and Containers |
| F271TNL | 5.6 | 0.40 | 3.00 | - | 2.70 | Noodle Bowls, Cups, and Containers |
| Make to Order Grades | | | | | | |
| F271TF | 5.6 | 0.40 | 2.50 | - | 1.80 | Foundry Foam |

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