



ETHYLENE - ACRYLIC ESTER COPOLYMERS

| | | Specified properties* | | Typical properties | | | | | | | | | Main applications | | | | | |
|-------------|----------|------------------------|-----------------------|--------------------|----------------------------|--------------------------------|---------------------------------|-------------------------|------------------------|------------|---------|-----------------|--------------------|--------------|-------|---------|--------|--|
| Bases | Grades | Comonomer content (%) | Melt index (g/10 min) | Melting point (°C) | Vicat softening Temp. (°C) | Ring and ball temperature (°C) | Tensile strength at break (MPa) | Elongation at break (%) | Flexural modulus (MPa) | Hardness | | Density (g/cm³) | Hot Melt Adhesives | Films Sheets | Foams | Coating | Cables | Modification of thermoplastic polymers |
| | | | | | | | | | | Shore A | Shore D | | | | | | | |
| EBA | 17BA04 | 16 - 19 | 3.5 - 4.5 | 93 | 60 | - | 15 | 700 | 45 | - | 32 | 0.93 | | ● | ● | ● | ● | |
| | 17BA07 | 16 - 19 | 6.5 - 8.0 | 93 | 60 | - | 14 | 700 | 40 | - | 30 | 0.93 | | ● | ● | ● | ● | |
| | 28 BA175 | 26 - 30 | 150 - 200 | 80 | 40 | 94 | 3 | 750 | 23 | 80 | - | 0.93 | ● | | | | ● | |
| | 30BA02 | 27 - 32 | 1.5 - 2.5 | 78 | 41 | >190 | 6 | 850 | 9 | 75 | - | 0.93 | | ● | | | ● | ● |
| | 35BA40 | 33 - 37 | 35 - 45 | 66 | <40 | 110 | 2 | 300 | - | 70 | - | 0.93 | ● | | ● | | | ● |
| | 35BA320 | 33 - 37 | 260 - 350 | 65 | <40 | 85 | 1.5 | 200 | - | 52 | - | 0.93 | ● | | | | | ● |
| EMA | 18MA02 | 17 - 20 | 2 - 3 | 83 | 53 | - | 13 | 700 | 50 | - | 25 | 0.94 | | ● | ● | ● | | |
| | 20MA08 | 18 - 22 | 7 - 9 | 80 | 46 | - | 9 | 800 | 20 | 83 | - | 0.94 | | ● | | ● | | |
| | 24MA005 | 23 - 26 | 0.4 - 0.6 | 72 | 45 | - | 17 | 750 | 18 | 84 | - | 0.94 | ● | ● | | | ● | ● |
| | 24MA02 | 23 - 26 | 1 - 3 | 68 | 49 | - | 12 | 800 | 18 | 92 | - | 0.94 | | | | | ● | ● |
| | 29MA03 | 27 - 31 | 2.0 - 3.5 | 61 | <40 | 175 | 6 | 900 | 8 | 75 | - | 0.95 | ● | ● | ● | | ● | |
| Bestpeel | 2407 | 24 | 7 | 69 | <40 | - | 8 | 750 | 14 | 79 | 22 | 0.94 | ● | ● | | ● | | |
| Test Method | | FTIR (internal method) | ASTM D1238 | DSC | ASTM D1525 | ASTM E28 | ASTM D638 | ASTM D790 | ASTM D2240 | ASTM D1505 | | | | | | | | |
| | | | ISO 1133 | ISO 11357-3 | ISO 306 | NF EN 1238 | ISO 527 | ISO 178 | ISO 868 | ISO 1183 | | | | | | | | |

EBA (Ethylene-Butyl Acrylate copolymer)

EMA (Ethylene-Methyl Acrylate copolymer)



ETHYLENE VINYL ACETATE COPOLYMERS

| | | Specified properties* | | Typical properties | | | | | | | Main applications | | | | | | | | |
|-------------|---------|------------------------|-----------------------|--------------------|----------------------------|--------------------------------|---------------------------------|-------------------------|------------------|-----------------|--------------------|--------------|-------|-----------------|---------|--------|-----------|-----|---------------|
| Bases | Grades | Comonomer content (%) | Melt index (g/10 min) | Melting point (°C) | Vicat softening Temp. (°C) | Ring and ball temperature (°C) | Tensile strength at break (MPa) | Elongation at break (%) | Hardness Shore A | Density (g/cm³) | Hot Melt Adhesives | Films Sheets | Foams | Sound dampening | Bitumen | Cables | Crude Oil | Ink | Solar pannels |
| | | | | | | | | | | | | | | | | | | | |
| 18-500 | 17 - 19 | 450 - 550 | 86 | 43 | 94 | 6 | 600 - 900 | 90 | 0.94 | ● | | | | ● | | | | | |
| 20-20 | 19 - 21 | 17 - 23 | 83 | 46 | 127 | 17 | 400 - 600 | 89 | 0.95 | ● | | ● | | ● | ● | | | | |
| 24-03 | 23 - 25 | 2.5 - 3.5 | 80 | 46 | 183 | 27 | 600 - 900 | 83 | 0.94 | ● | ● | ● | | ● | ● | | | | |
| 28-03 | 26 - 28 | 3 - 4.5 | 76 | 41 | 166 | 26 | 700 - 1000 | 82 | 0.95 | ● | ● | | ● | | ● | ● | | | |
| 28-05 | 27 - 29 | 5 - 8 | 72 | 40 | 160 | 24 | 700 - 1000 | 80 | 0.95 | ● | ● | ● | ● | | ● | ● | | | |
| 28-25 | 27 - 29 | 22 - 29 | 71 | <40 | 120 | 14 | 800 - 1000 | 75 | 0.95 | ● | ● | | ● | | ● | ● | | | |
| 28-40 | 27 - 29 | 35 - 45 | 70 | <40 | 106 | 10 | 800 - 1000 | 73 | 0.95 | ● | | | | | ● | ● | | | |
| 28-150 | 27 - 29 | 135 - 175 | 69 | <40 | 95 | 8 | 400 - 600 | 71 | 0.95 | ● | | | | | ● | ● | | | |
| 28-420 | 27 - 29 | 370 - 470 | 66 | <40 | 84 | 5 | 400 - 600 | 70 | 0.95 | ● | | | ● | | ● | ● | | | |
| 28-800 | 30 - 32 | 700 - 900 | 63 | <40 | 80 | 3 | 400 - 600 | 60 | 0.95 | ● | | | | | ● | ● | | | |
| 33-25 | 32 - 34 | 22 - 29 | 63 | <40 | 119 | 11 | 900 - 1100 | 67 | 0.96 | ● | | | ● | | ● | | | | |
| 33-45 | 32 - 34 | 38 - 48 | 62 | <40 | 107 | 9 | 900 - 1100 | 63 | 0.96 | ● | | | | | ● | ● | | | |
| 33-45 PV | 32 - 34 | 38 - 48 | 62 | <40 | 107 | 9 | 900 - 1100 | 63 | 0.96 | | | | | | | | | ● | |
| 33-400 | 32 - 34 | 350 - 450 | 63 | <40 | 84 | 4 | 400 - 600 | 60 | 0.96 | ● | | | | | | | | | |
| 40-55 | 38 - 41 | 48 - 62 | 63 | <40 | 97 | 7 | 900 - 1100 | 50 | 0.96 | ● | | | | | | ● | | | |
| 42-60 | >41 | 65 - 85 | 52 | <40 | 95 | 5 | 900 - 1100 | 42 | 0.96 | ● | | | | | | ● | | ● | |
| Test Method | | FTIR (internal method) | ASTM D1238 | DSC | ASTM D1525 | ASTM E28 | ASTM D638 | ASTM D2240 | ASTM D1505 | | | | | | | | | | |
| | | | ISO 1133 | ISO 11357-3 | ISO 306 | NF EN 1238 | ISO 527 | ISO 868 | ISO 1183 | | | | | | | | | | |

EVA (Ethylene-Vinyl Acrylate copolymer)

* Properties routinely measured during the standard quality control procedure