

Draft Product information: Gelcoprene B



Product description

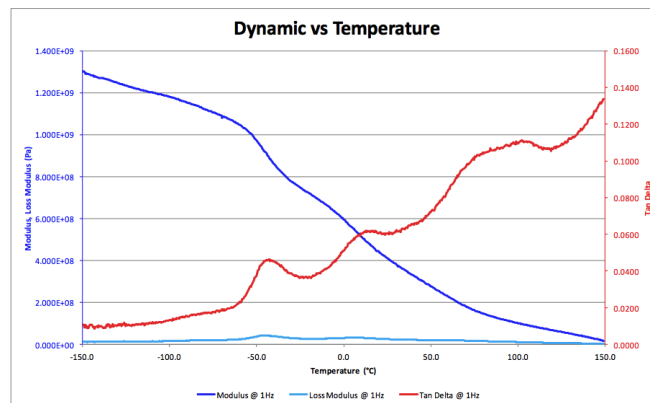
Gelcoprene B is a recycled PP/CDV (devulcanised rubber waste) blend (60:40) used in standard injection molding applications offering good strength/flexibility ratio, heat resistance and good thermal stability.

Applications

Typical applications include flexible wear resistant automotive flooring, product packing where high toughness and elasticity is required. Domestic products, requiring good fracture toughness and higher temperature use. Construction sector applications, such as roofing vents, good UV resistance, and high traffic non-skid flooring. Prep B is simple to colour to end user requirements.

| Rheological | Property value | Test Method |
|---------------------------------------|----------------|-------------|
| T _g (Glass Transition), °C | - 47 | DMTA |
| β and α transitions, °C | 15, 90 | DMTA |

PREP Eco B test 1 (specimen 2015-05-06-t1)



| Mechanical | Property value | Test Method |
|---------------------------|----------------|-------------|
| Young's Modulus, MPa | 383 | Instron |
| Tensile stress @ max, MPa | 11.3 | Instron |
| Elongation, % | 20 | Instron |
| Breaking stress, MPa | 10,3 | Instron |
| Tensile strain @ break, % | 25 | Instron |

Processing guidelines

| | |
|---------------------------|-------|
| Melt flow index g/10 min | 1-20 |
| Density g/cc ³ | 1.024 |
| Softening point °C | ~90 |
| Melt temperature °C | ~150 |