

Draft Product Information: Gelcoprene A



Product description

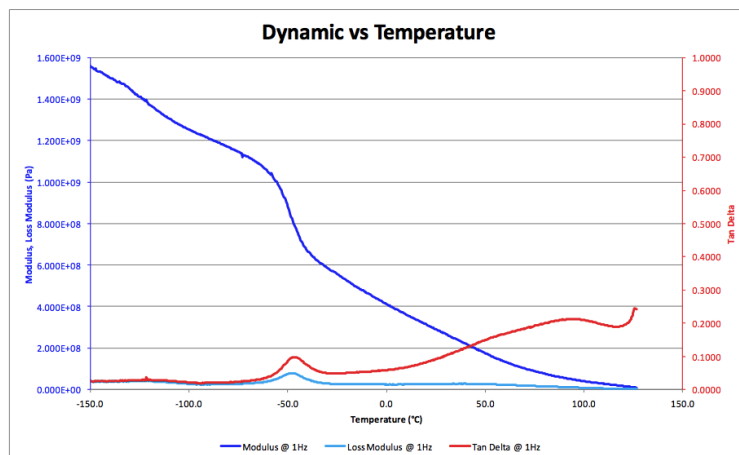
Gelcoprene A is a recycled HDPE/CDV (devulcanised rubber waste) blend (30:70) used in standard injection molding applications offering good strength/flexibility ratio, heat resistance and good thermal stability.

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 waterproof, thermal and sound insulation applications, and high traffic non-skid flooring.

Rheological	Property value	Test Method
T _g (Glass Transition), °C	- 118	DMTA
β and α transitions, °C	- 47, 85	DMTA

PREP Eco A test 1 (specimen 2015-05-06-t2)



Mechanical	Property value	Test Method
Young's Modulus, MPa	87	Instron
Tensile stress @ max, MPa	5.85	Instron
Elongation, %	4.9	Instron
Breaking stress, MPa	0.545	Instron
Tensile strain @ break, %	63	Instron

Processing guidelines

Melt flow index g/10min	0.8 – 25
Density g/cc ³	1.088
Softening point °C	~85
Melt temperature °C	~130