
Melt Points

Polymer	Symbol	Degrees Centigrade	Degrees Fahrenheit
Polyethylene	PE	~125	~257
Polypropylene	PP	~160	~320
Nylon	PA6	~217	~423
Polyester	PET	~250	~482

Refer to individual data sheets to determine the polymers used in each Colbond Building Product

Polymer Properties

High Density Polyethylene (HDPE) has excellent resistance to chemicals, excellent toughness and has an aesthetically pleasing glossy white finish. HDPE also has excellent impact strength, even at temperatures as low as -30° C. It also has high tensile strength, low moisture absorption and chemical- and corrosion-resistance.

Polypropylene (PP) has excellent resistance to organic solvents, degreasing agents, acids, and alkalines. It has tensile strength superior to high density polyethylene. It has a low moisture absorption rate, is resistant to staining, and is very light weight.

Nylon (PA6) has excellent resistance to a variety of chemicals, alkalines, dilute acids, fuels and solvents found on construction sites. It is lightweight, but also is very wear and abrasion resistant. Nylon also has high tensile strength and a high heat distortion temperature.

Polyester (PET) has excellent resistance to chemical attack and high environmental stress crack resistance, very good heat and heat-aging resistance and excellent wear properties.

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