

Hytrel® 30HS

THERMOPLASTIC POLYESTER ELASTOMER

Common features of Hytrel® thermoplastic polyester elastomer include mechanical and physical properties such as exceptional toughness and resilience, high resistance to creep, impact and flex fatigue, flexibility at low temperatures and good retention of properties at elevated temperatures. In addition, it resists many industrial chemicals, oils and solvents. Special grades include heat stabilised, flame retardant, food contact compliant, blow molding and extrusion grades. Concentrates offered include black pigments, UV protection additives, heat stabilisers, and flame retardants. Hytrel® thermoplastic polyester elastomer is plasticiser free.

The good melt stability of Hytrel® thermoplastic polyester elastomer normally enables the recycling of properly handled production waste. If recycling is not possible, we recommend, as the preferred option, incineration with energy recovery (-24 kJ/g of base polymer) in appropriately equipped installations.

For disposal, local regulations have to be observed.

Hytrel® thermoplastic polyester elastomer typically is used in demanding applications in the automotive, fluid power, electrical/electronic, consumer goods, appliance and power tool, sporting goods, furniture, industrial and off-road transportation/equipment industry.

HYTREL® 30HS is a heat stabilizer concentrate for use in Hytrel® thermoplastic polyester elastomer. It contains a discolouring antioxidant. It is not suited for light-colored finished products.

Product information

Resin Identification	PA+TPC-ET	ISO 1043
Part Marking Code	>PA+TPC-ET<	ISO 11469

Thermal properties

Melting temperature, 10 °C/min	155 °C	ISO 11357-1/-3
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Flammability

FMVSS Class	B	ISO 3795 (FMVSS 302)
Burning rate, Thickness 1 mm	<80 mm/min	ISO 3795 (FMVSS 302)

Physical/Other properties

Density	1100 kg/m ³	ISO 1183
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Characteristics

Delivery form	Pellets
Special characteristics	Heat stabilised or stable to heat