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www.versalis.eni.com

Technical Data Sheet

info.elastomers@versalis.eni.com



DUTRAL[®]

EP(D)M

TER 4548

Ethylene - Propylene - Diene Terpolymer

Dutral[®] TER 4548 is an Ethylene - Propylene - Diene polymer produced by suspension polymerisation using an **improved** Ziegler-Natta Catalyst at the Ferrara production facility in Italy. A non-staining antioxidant is added during the production process.

Main Properties

Unit

Typical Value

Mooney Viscosity ML 1+4(125 °C)	MU	47
Volatiles content	% wt	0.5 max
Ash content	% wt	0.3 max
Propylene content	% wt	36 ⁽¹⁾
ENB content	% wt	4.5 ⁽¹⁾
Oil content	% wt	50 ⁽²⁾

⁽¹⁾ Referred to polymer matrix

⁽²⁾ Pure paraffinic oil

Key Features

Dutral[®] elastomers are characterized by excellent resistance to ageing and weathering, good resistance to both high and low temperatures, low permanent set values, good resistance to a large number of chemicals.

Dutral[®] TER 4548 is an extremely high molecular weight terpolymer of medium diene content, extended with 50% paraffinic oil.

Thanks to the pure paraffinic oil Dutral[®] TER 4548 can be advantageously used in TPV.

It is characterized by very high loading capacity, easier dispersion of ingredients during mixing, good dimensional stability and low temperature elasticity.

Main Applications

TPV, Automotive, mechanical goods, appliances.

Physical Form

Bales wrapped with low melting point polyethylene film; typical bale weight: 25 kg.

Packaging

Cardboard box of 750 kg containing 30 bales (1050 x 1250 x h1050 mm).

Storage Conditions

Store in dry and vented areas, avoiding temperatures above 35 °C and direct sunlight.

It is recommended that temperatures above 30 °C be avoided for prolonged storage times in order to not deteriorate the quality of the product and reduce its shelf life.

Shelf life : 36 months.

Please consult the relevant safety data sheet for more detailed information.

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