eni versalis

# Technical Data Sheet

## DUTRAL®

EP(D)M

## TER 4548 (TX 1301)

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.

Shelf life : 36 months.