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DP 0400M

Description

Polybutene-1 grade DP 0400M is a semi-crystalline homopolymer, which can be used where creep, environmental stress crack resistance and elevated temperature performance are key requirements.

This polymer is highly compatible with polypropylene due to its similar molecular structure. It is less compatible in blends with polyethylene but it is still easily dispersible.

Its relative slow crystalliation kinetics allows for an excellent wetting behaviour. Besides its high shear sensitive flow behaviour it remains easily dispersible, also in even more incompatible polymers like thermoplastic elastomers.

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Legend

SDS - Safety Data Sheet

PSB - Product Stewardship Bulletin

Availability

Africa-Middle East, Asia-Pacific, Australia and New Zealand, Europe, North America, South & Central America

[Information](#)[SDS](#)[Safety Summary](#)

Product Data and Technical Information

Typical Properties

Melt Flow Rate (190°C/2.16 kg)	15 g/10 min
Density	0.915 g/cm³
Flexural Modulus	450 MPa
Tensile Strength at Break	29 MPa
Tensile Elongation at Break	300 %
Melt Temperature Tm1	126 °C
Melt Temperature Tm2	114 °C

Process

Melt Blown, Spunbond, Staple Fiber

Resin

Polybutene-1

Applications

Colour Concentrates, Products for Use in Property Modification

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