



TotalEnergies

Refining & Chemicals
Polymers

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Polyethylene MS482

Technical data sheet
High Density Polyethylene FUEL SYSTEMS
Produced in Europe

Description

MS482 is a high density polyethylene resin with excellent Environmental Stress Cracking Resistance (ESCR) intended for the injection moulding of automotive components such as DEF (AdBlue®) tanks for Selective Catalytic Reduction (SCR) systems.

MS482 combines high performance with easy processing and good dimensional stability.

MS482 is a pellet grade and contains antioxidants.

Characteristics

Property	Method	Unit	Typical value (*)
Density	ISO 1183	g/cm ³	0.947
Melt Flow Rate (190°C/2.16 kg)	ISO 1133/D	g/10 min	2
Melt Flow Rate (190°C/21.6 kg)	ISO 1133/G	g/10 min	80
Tensile Modulus	ISO 527	MPa	900
Tensile Strength at Yield	ISO 527	MPa	23
ESCR AntaroX 100% F ₅₀	ASTM D 1693	h	> 1000

(*) Data not intended for specification purposes

Processing

It is recommended to process MS482 within the temperature range 180-240°C.

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