



XZ 89342.00 and XZ 89342.10 Exp. Polyethylene Resins

Polyethylene Resins

Melt Index:	3.8
Density:	0.939

XZ 89342.00 Exp. Polyethylene Resin for rotational and injection moulding from Dow is specifically designed for applications requiring stiffness in combination with excellent mechanical properties and good processing.

The powder version is named **XZ 89342.10 Exp. Polyethylene Resin**.

Processing and Stabilization: XZ 89342.00 and XZ89342.10 Exp. Polyethylene Resin is fully heat and UV-stabilized resulting in a wide processing latitude, good color retention and long life expectancy.

Note: XZ 89342.00 and XZ89342.10 Exp. Polyethylene Resin should comply with FDA regulation 177.1520 and with most European food contact regulations when used unmodified and processed according to good manufacturing practices for food contact applications. Please contact your nearest Dow office regarding food contact compliance statements. The purchaser remains responsible for determining whether the use complies with all relevant regulations.

Applications:

- Tanks, large tanks
- Industrial storage containers
- Canoes, boats

Physical Properties ^(1,2)	Unit	Test Method	Values	
Melt Index, 190 °C/2.16 kg	g/10 min	ISO 1133	3.8	
Density	g/cm ³	ISO 1183	0.939	
Melting Point	°C	DSC	128	
Vicat Softening Point	°C	ISO 306 (A/120)	123	
Crystallisation Point	°C	DSC	106	
Deflection Temperature Under Load	°C	ISO 75	75	
Mechanical Properties ⁽¹⁾	Unit	Test Method	Values ⁽²⁾	Values ⁽³⁾
Hardness, Shore D		ISO R 868	59	-
Tensile Stress at Yield	MPa	ISO R 527	19	18
Tensile Strain at Yield	%	ISO R 527	12	12
Flexural Modulus	MPa	ISO 178	750	
ESCR 50 °C, 100% AntaroX	h	ASTM D-1693	>500	
10% AntaroX			>50	
Falling Dart Impact, 23 °C	J/mm	ISO 6603/2	15	15
-20 °C			20	20

(1) Typical values; not to be construed as specification limits.

(2) Compression moulded samples.

(3) Rotomoulded: Plates of 3-4 mm thickness.

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- use as a critical component in medical devices that support or sustain human life; or
- use specifically by pregnant women or in applications designed specifically to promote or interfere with human reproduction.

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