



RESIN EXPRESS

RX 103

LLDPE Resin

Density: 0.939 g/cm³

MFI: 3.8 g/10min

RX 103 is an LLDPE specifically designed for rotational moulding applications. It is intended for applications requiring good environmental stress cracking resistance, stiffness and impact strength combined with good processability. Products include: large Tanks, IBC's and Chemical Containers.

PROCESSING AND STABILISATION

RX 103 is fully heat and UV stabilised resulting in a wide processing latitude, good colour retention and long life expectancy. RX 103 will process under nominal rotomoulding conditions.

AVAILABILITY

Natural Powder
 Colour Compound Granules and Powders
 Black Granules and Powders
 Dry-blend Powders

PHYSICAL PROPERTIES	TEST METHOD	VALUE
Melt Index, g/10 min (190°C/2.16 kg)	ISO 1133	3.8
Density, kg/m ³	ISO 1183	939
Whiteness index	ASTM E-313	65
Melting point, °C	DSC	128
Crystallisation point, °C	DSC	109
Hardness, Shore D	ISO R 868	59
Vicat softening point, °C	ISO 306 A 120	123
Heat Deflection temperature, °C	ISO 75	75

MECHANICAL PROPERTIES	TEST METHOD	VALUE
Flexural modulus, Mpa	ASTM 790	600
Tensile modulus, Mpa	ISO R 527	530
Tensile Yield stress, Mpa	ISO R 527	19
Ultimate elongation, Mpa	ISO R 527	730
Tear resistance, N/mm ²	DIN 53 515	150
ESCR 50°C, h	100% AntaroX	> 1000
	10% AntaroX	70
Falling Dart Impact, J/mm	ISO 6603/2	23°C
		-20°C

The data and information contained within this datasheet are based upon experiments and tests which Resin Express believes to be reliable and are only intended as indicative values. This datasheet does not constitute any specification limits. Resin Express advocates the testing of the product for suitability in the final application.

Please visit the Resin Express Rotational Moulding website

www.resinexpress.com/rotomoulding