

A partner within every step you make

Technical Data Sheet

• PPTENE™ RX1100



Polymer Plus Technologies Ltd.
P.O. Box 1938 Dammam 31441,
Dammam – Kingdom of Saudi Arabia.
Tel: +966 3 8128668
Fax: +966 3 8128667

sales@polymerplus.com.sa

Product Description

RX1100 is a Linear Low Density Polyethylene copolymer that is designed to provide excellent stress crack resistance, excellent mechanical properties with high rigidity, toughness, gloss and very low warpage.

RX1100 is also UV stabilized.

RX1100 is available in its natural powder form and custom compounded colours.

RX1100

LLDPE

Rotational Moulding Grade

Melt Flow Index: 5.0 g/10 min
Density: 0.935 g/cm³

Typical applications

Recreational Equipment
Industrial Containers
Agricultural Tanks, Containers and Drums
Toys

Physical Characteristics¹

Characteristics	Value	Unit	Test Method
Melt Flow Index (MFI)	5.0	g/10min	ASTM D 1238
Density	0.935	g/cm ³	ASTM D 1505
ESCR F50 (100% IGEPAL)	>150	h	ASTM D 1693B
ESCR F50 (10% IGEPAL)	-	h	-
Flexural Modulus	420	MPa	ASTM D 790
Tensile Modulus	-	MPa	ASTM D 638
Tensile at Yield (50mm/min)	16	MPa	ASTM D 638
Elongation at Break (50mm/min)	590	%	ASTM D 638
Hardness Shore D	66	-	ASTM D 2240
ARM Impact Strength (3.2mm sample at -40°C)	-	J	ARM

¹ Data values shown are average values for the base resin and should not be used for specification limits.

² Impact strength varies with both part thickness and moulding conditions.

Polymer Plus Technologies Ltd. makes no representations or warranties and there are no conditions with respect to the accuracy, reliability, or application of the information herein, its products or the safety or suitability thereof, or results obtained, whether expressed or implied including, without limitation, any implied warranty or merchantability or fitness for a particular purpose. Buyers and users must determine the results to be obtained from the application of the information herein and the safety and suitability of Polymer Plus Technologies Ltd. products for their own purposes, and assume all risk, responsibility, and liability for all injuries, losses, or damages arising from the application of the information herein or use of Polymer Plus Technologies Ltd. products, whether or not occasioned by Polymer Plus Technologies Ltd. negligence or based on strict product liability. Polymer Plus Technologies Ltd. neither assumes nor authorizes any person to assume for it any liability in connection with the use of information herein or its products.