

## TECHNICAL DATASHEET

# ROTATIONAL MOULDING LLDPE QR5136U

### PRODUCT DESCRIPTION

QR5136U is a LLDPE hexene based roto moulding or injection moulding resin for general IBC, toys, agriculture storage tanks, and water tanks. This resin contains UV stabilizer.

### TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
Melt Flow Index (190°C/2.16 kg)	5.0 – 5.5	g/10 min	ASTM D1238
Density	0.934 – 0.936	g/cm <sup>3</sup>	ASTM D792
ESCR (50°C 100% Igepal F50)	>1000	hrs	ASTM D1693A
Tensile Strength at Yield	2,650 – 2,750	psi	ASTM D638
Deflection Temperature Under Load (66psi, unannealed)	51.0 – 52.0	°C	ASTM D648
Flexural Modulus (1% Secant)	93,000 – 98,000	psi	ASTM D790B
Impact Strength (-40°C 3.18 mm rotational mold)	80	J	

*These are typical properties only and are not to be construed as specifications. Users should confirm results by their own tests.*

### APPLICATIONS

QR5136U is used for general injection moulding or roto moulding application, including water tanks and toys.

### NOTE

This technical data sheet shows the typical properties, and the data show are not to be construed as specifications. The document is designed to provide users general information and does not constitute any warranty or quality specification, either expressed or implied, including any warranty of merchantability or fitness for any particular purpose. Users shall determine whether the product is suitable for their use and can be used safely and legally.

ROTATIONAL MOULDING  
LINEAR LOW DENSITY  
POLYETHYLENE  
QR5136U