Rototuff Polymers
ABN: 28 005 295 223
6 Madden Road
Heatherton, VIC 3202
Phone: 9728 0350
Fax: 9551 2350

Datasheet – Rototuff™ RT9640UV

Rototuff™ RT9640UV is a Hexene Co-polymer Linear Low Density Polyethylene (LLDPE) which provides a very good balance of processing and toughness. Rototuff™ RT9640UV has been formulated to provide a UV8 level of protection.

The base resin for RT9640UV complies with the Food and Drug Administration (FDA) Specifications according to U.S.FDA 21 Code of Federal Regulations part 177.1520 (c) (2.1) and (2.2) for articles coming into contact with food.

Properties[1]	Test Method	Value	Units
MFI (190 degC; 2.16kg)	ASTM D1238	4.0	g/10min
Density	ASTM D1505	0.932	g/cm^3
Tensile @ Yield[2]	ASTM D638	15	MPa
Tensile @ Break[2]	ASTM D638	25	MPa
Elongation @ Break[2]	ASTM D638	1000	%
Flexural Modulus[3]	ASTM D790	550	MPa
ESCR[4]	ASTM D1693	>1000	Hours
UV Resistance[5]	AS/NZS4766	UV8	-

[1] Base Resin Properties
[2] Crosshead Speed @ 50mm/min
[3] Crosshead Speed @ 1.3mm/min
[4] F50; 100% Igepal; Condition A
[5] Greater than 50% retained tensile elongation after 8,000 hrs accelerated UV exposure.