

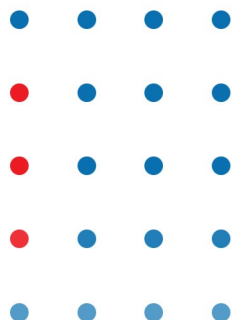
Technical Data Sheet **WCI PE 3840-Compound**

Product Description

WCI Polyethylene 3840-Compound is a high-density polyethylene (HDPE) copolymer containing butene-1 (C4) as a comonomer, specifically designed for rotational molding applications. This grade provides an excellent balance of stiffness, toughness, and stress-crack resistance, along with high elongation and impact strength. Its broad molecular weight distribution and consistent processability make it suitable for manufacturing durable, large, and complex-shaped molded products. **WCI Polyethylene 3840-Compound** also demonstrates stable performance under outdoor conditions, ensuring long service life.

Typical Application

- Rotomolded Products: General-purpose items such as large containers, industrial bins, and chemical storage tanks.
- Water & Septic Tanks: Suitable for producing durable and impact-resistant tanks for water storage and sewage management.
- Recycling & Waste Bins: Widely used in production of strong, weather-resistant recycling and garbage containers.
- Agricultural & Industrial Uses: Applicable for rotomolded parts like troughs, silos, pallets, and other heavy-duty applications requiring toughness and long-term durability.



+420 776 498 345

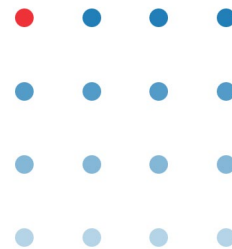


www.wci-polymer.com



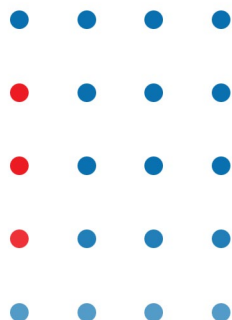
Sales@wci-polymer.com





TECHNICAL SPECIFICATION

PROPERTIES	VALUE	UNIT	TEST METHOD
MELR FLOW INDEX (190°C/2.16kg)	g/10MIN	4	ASTM D-1238
Density	gr/cm3	0.938	ASTM D-1505
YELLOWNESS INDEX	-	-1	ASTM E-313
WHITENESS INDEX	-	60	ASTM E-313
CONTAMINATION	NO.	5	BPI37
VICAT SOFTENING POINT	°C	115	ASTM D-1525
TENSILE STRESS AT YEILD	MPA	15	ASTM D-638
ELONGATION AT BREAK	%	900	ASTM D-638
ESCR (IGEPAL100/0 F50,23°C)	HR	350	ASTM D-1693
CHARPY IMPACT	KJ/M2	18	ASTM D-6110



+420 776 498 345



www.wci-polymer.com



Sales@wci-polymer.com

