

RE:use Polymers Portfolio

TotalEnergies Circular
Polymers from Mechanical
Recycling



TotalEnergies



polymers.totalenergies.com/contact-us.com

Recycled Polypropylene Grades (rPP)



	% PCR	MFI (2.16kg - 230°C) (g/10 min)	DENSITY (g/cm3)	ASH CONTENT	FLEXURAL MODULUS (MPa)	TENSILE MODULUS (MPa)	IZOD NOTCHED (at 23°C) (kJ/m2)	VICAT SOFTENING TEMPERATURE (°C)	RECYCLASS CERTIFICATION	COLOR	MAIN APPLICATIONS
rPP RC-040 7015	50	25	0.940	6	1500	1400	5	67		RAL 7015	Pails
rPP 40GP019 Grey	96	40	0.960	6-7	1200	>1250	6			Grey	Pails
rPP RC-040	100	28	0.910	2	1100		5	70		Black	Compounding
rPP RC-020	100	15	0.910	2	1100		5	70		Black	Compounding
rPP 03GP129	96	2 - 4	0.950	<10	>1300	>1400	>9			Black Blue	Extrusion sheets Pipes Fitting
rPP 03GP00 Natural*	100	3	0.905						x	Natural	Film
rPP 07GP029	96	6 - 8	0.930	8		>1400	>6,5		x	Grey	Crates & Boxes
rPP 10GP03	100	9 - 11	0.927	8		>1150	>10			Black Grey	Crates & Boxes
rPP 12GP229	75	10 - 14	1.04 - 1.08	18-22	1500-1700	1200-1400	8-10		On demand	Black Grey	Injection molding, automotive
rPP 15GP019	90	12 - 18	0.910	4-7	1050-1200	1000-1200	6-8		x	Grey	Injection molding, pails and crates
rPP 16GP009	100	14-18	0.910	5-10		1150-1300	4-6		x	Black Grey	Injection molding, pails and crates
rPP 16GP009	100	12-20	0.920	1-5	1150-1250	1100-1300	6-7		x	Grey Black	Injection molding, pails and crates
rPP 17GP019	96	13-21	0.920	1-9	1200-1400	1100-1300	6-8		x	Blue	Injection molding, large components, industrial
rPP 20GP009	90	18-25	0.920	6-9	1150-1250	1200-1300	5-7		x	Terracota	Injection molding, pails and crates
rPP 30GP00 Natural*	100	30	0.905		1500					Natural	Injection molding, articles and fibres
rPP 30GP019	100	25-35	0.910	6-8	1100-1200	1100-1300			x	Grey Black	Injection molding, pails and crates

*FDA Nol : FDA Non objection letter

Recycled Polyethylene Grades (rPE)



	% PCR	MFI (2.16kg - 230°C) (g/10 min)	DENSITY (g/cm3)	ESCR	ASH CONTENT %	COLOR	RECYCLASS CERTIFICATION	MAIN APPLICATIONS
rPE 1394	96	0.3-0.5	0.910			Black	x	Extrusion Pipes
rPE 2206	100	0.5	0.925			Natural	x	Blown Film
rPE 23628	60	2.8	0.923			Natural	x	Grass Yarn
rPE 24820	80	2.0	0.924			Natural		Grass Yarn
rPE 6314	50	0.25	0.955	>300		Natural	x	Blow Molding
rPE 5673	70	0.3	0.956			Natural	x	Blown Film
rPE 57525	50	2.5	0.957			Dark Grey	x	Non-Food-Contact Technical parts Bins, Crates, Pallets
rPE 50930	96	2-4	0.950		2-4	Dark Grey Light Grey Green Terracotta Black Blue	x	Injection Molding
rPE 5593	96	0.2-0.4	0.950		1-4	Grey	x	Blow Molding
rPE 55940	100	3.5-4.5	0.955			Black	x	Injection Molding ex. Crates & Boxes

These grades are not intended for food & drinking water, medical or pharmaceutical applications.

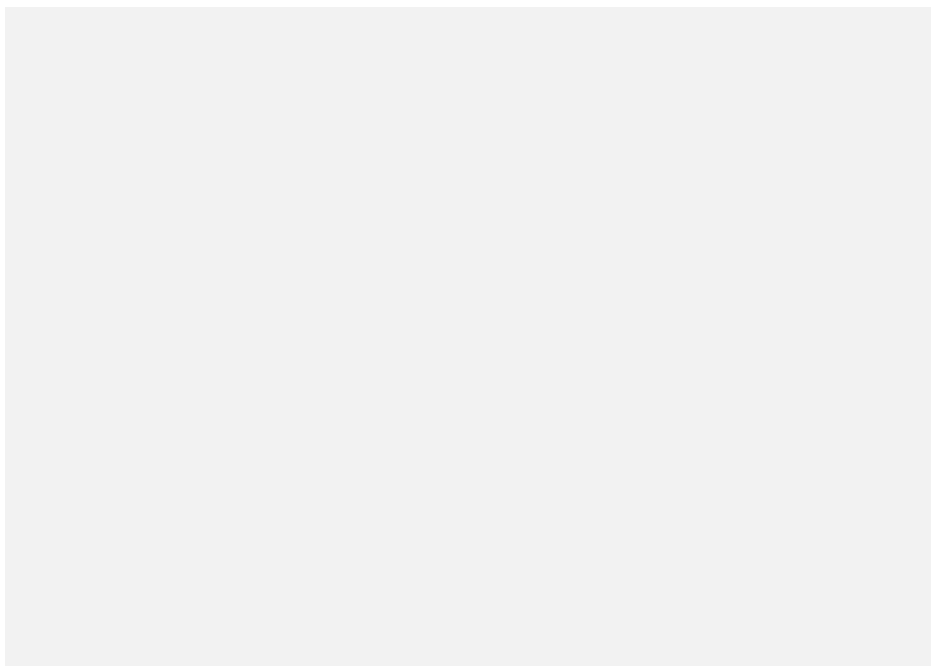
Recycled Polystyrene Grades (rPS)

	% PCR	MFI (2.16kg - 230°C) (g/10 min)	DENSITY (g/cm3)	TENSILE MODULUS (MPa)	IZOD NOTCHED (at 23°C) (kJ/m2)	COLOR	RECYCLASS CERTIFICATION	MAIN APPLICATIONS
rPS 6HI009	90	5-7	0.940	2200-2500		White Grey Black	x	Injection Trays Boxes
rPS 6HI029	90	5-7	0.960	2000-2300	7-9	White Grey Black	x	Injection Trays Boxes

These grades are not intended for food & drinking water, medical or pharmaceutical applications.

The results of the study are based solely on facts, circumstances and assumptions that were submitted during the study. If these facts circumstances and assumptions differ, the result may change. Furthermore, the results of the study should be considered as a whole, in relation to the assumptions, and not in isolation. The information contained in this document is given based on our knowledge of the product at the date of publishing. It is provided for informational purposes only, and without prejudice to any applicable regulations. In no event will TotalEnergies Raffinage Chimie and its affiliates assume any liability whatsoever for the accuracy or completeness of the information contained here in or reliance thereto. TotalEnergies Raffinage Chimie and its affiliate do not accept any liability whatsoever arising from the use of this information or the use, application or processing of any product described herein. © 2026 TotalEnergies | TOTAENERGIES PETROCHEMICALS & REFINING | Ne pas jeter sur la voie publique - Do not litter

The results of the study are based solely on facts, circumstances and assumptions that were submitted during the study. If these facts circumstances and assumptions differ, the result may change. Furthermore, the results of the study should be considered as a whole, in relation to the assumptions, and not in isolation. The information contained in this document is given based on our knowledge of the product at the date of publishing. It is provided for informational purposes only, and without prejudice to any applicable regulations. In no event will TotalEnergies Raffinage Chimie and its affiliates assume any liability whatsoever for the accuracy or completeness of the information contained here in or reliance thereto. TotalEnergies Raffinage Chimie and its affiliate do not accept any liability whatsoever arising from the use of this information or the use, application or processing of any product described herein. © 2026 TotalEnergies | TOTAENERGIES PETROCHEMICALS & REFINING | Ne pas jeter sur la voie publique - Do not litter



RE:click



RE:use



RE:build



RE:newable



TotalEnergies

**Learn more about
our circular polymers**

polymers.totalenergies.com

The results of the study are based solely on facts, circumstances and assumptions that were submitted during the study. If these facts circumstances and assumptions differ, the result may change. Furthermore, the results of the study should be considered as a whole, in relation to the assumptions, and not in isolation. The information contained in this document is given based on our knowledge of the product at the date of publishing. It is provided for informational purposes only, and without prejudice to any applicable regulations. In no event will TotalEnergies Raffinage Chimie and its affiliates assume any liability whatsoever for the accuracy or completeness of the information contained here in or reliance thereto. TotalEnergies Raffinage Chimie and its affiliate do not accept any liability whatsoever arising from the use of this information or the use, application or processing of any product described herein.

© 2026 TotalEnergies | TOTAENERGIES PETROCHEMICALS & REFINING | Ne pas jeter sur la voie publique - Do not litter