



Innovative recycled plastics

- Production of high-quality PCR recycled plastics using patented processes
- Skylonitrile® (rABS) and Skystyrene® (rPS) made from 100% end-of-life vehicles (ELV) and electrical/electronic equipment (WEEE)
- Maximum environmental friendliness: No use of solvents in production
- Customised regranulates precisely tailored to the technical requirements of customers
- Similar technical properties compared to prime material at a competitive price

Circular economy

- Contribution to a 100% circular economy
- Reduction in carbon footprint compared to conventional resin types or prime products
- Skytech can create carbon footprints at the project and item level and issue them officially as certificates

Savings 1 ton of recycled material

- 2 tons of CO₂
- 13 MWh of electricity
- 5,2 cm³ of water

Areas of application

Market segments: Packaging, E&E, construction, automotive, toys/sports, agriculture

ABS: Housings, switches and sockets, electrical housings and panels, toolboxes, vacuum cleaners, toys, small appliances

PS: Housings for cosmetic packaging, furniture casters, housings for air conditioners/cleaners, refrigerators/cooling appliances, window profiles, housings for small appliances

Skytech nomenclature

Example Skylonitrile rABS25-10BK:

1st digit → **Polymer** = rABS or rPS

2nd digit → 25 **MFI** (g/10min, 220 C°, 10 kg) ISO 1133

3rd digit → 14 **IZOD** (kJ/m², 23 C°, ISO 180)

4th digit → BK = black

5th digit → ES = With Excellent color and surface stability





SKYLONITRILE® ABS product portfolio

Product line	Reference	Description	Color specification
General purpose	SKYLONITRILE® rABS25-10 BK	Standard ABS	No
	SKYLONITRILE® rABS25-12 BK	Standard, medium impact	No
High impact	SKYLONITRILE® rABS25-14 BK	High impact	No
	SKYLONITRILE® rABS25-16 BK	Very high impact	No
High Heat	SKYLONITRILE® rABS20-10 HH103 BK	High heat	No
Extrusion	SKYLONITRILE® rABS10-10 BK	3D filament	No
Aesthetic black	SKYLONITRILE® rABS25-14 BK ES	Aesthetic black / high impact	L + Delta L
	SKYLONITRILE® rABS25-16 DBK ES	Deep black / very high impact	L + Delta L
	SKYLONITRILE® rABS25-12 VDBK ES	Very deep black	L + Delta L
	SKYLONITRILE® rABS35-18 VDBK Odor Free ES	Deep black / high impact / high fluidity / odor free	L + Delta L
Grey	SKYLONITRILE® rABS25-12 GR	Standard grey, medium impact	L
	SKYLONITRILE® rABS25-16 GR	Standard grey, very high impact	L
Aesthetic grey	SKYLONITRILE® rABS30-14 GR7012 ES	Aesthetic greys close to RAL7012, High flow, high impact	L,a,b + Delta E
	SKYLONITRILE® rABS25-12 GR7035 ES	Aesthetic grey close to RAL7035	L,a,b + Delta E
Light grey	SKYLONITRILE® rABS25-12 LGR	Standard light grey	L

SKYSTYRENE® PS product portfolio

Product line	Reference	Description	Color specification
General purpose	SKYSTYRENE® rPS6-6 BK	Standard black	No
	SKYSTYRENE® rPS6-8 BK	Standard black, impact	No
High impact	SKYSTYRENE® rPS6-10 BK	High impact, black	No
High flow	SKYSTYRENE® rPS10-8 BK	High flow, black	No
Grey	SKYSTYRENE® rPS6-6 GR	Standard grey	L
Aesthetic grey	SKYSTYRENE® rPS6-10 GR7035 ES SKYSTYRENE® rPS6-8 GR7016 ES	Aesthetic grey, high impact Aesthetic anthradte grey, close to RAL 7016	L,a,b + Delta E L, Delta L
Light grey	SKYSTYRENE® rPS6-6 LGR	Standard light grey	L

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