



Technical Product Specification

RePro™ | PPC12 – Polypropylene Copolymer PCR Resin

Product Description:

PPC12 is a 100% polypropylene Copolymer resin. PPC12 is recommended for making pails & auto components .The material exhibits good processability with excellent mechanical properties. This material is blended with required additives to enhance its performance. It is currently available in Grey colour, however customised colour options are available on request.

Suitable Uses: Pails & auto components.

Typical Properties:

Property	Reference Standard	Typical value	Unit
Melt Flow Index	ASTM D1238 (230° C/2.16 kg)	10 to 12	g/10 min
Density	ASTM D792 (23°C)	<0.940	g/ cm ³
Ash content	ASTM D5630 (800°C)	<3	%
Tensile Strength Yield	ASTM D638	> 20	MPa
Elongation at break	ASTM D638	> 50	%
Flexural Strength	ASTM D790	19.5	MPa
Flexural Modulus	ASTM D790	>1100	MPa
Charpy Impact Strength – Notched	ASTM D6110	NA	kJ/m ²
Izod Impact Strength – Notched	ASTM D256	>120	kJ/m ²
Hardness	ASTM D2240	63 to 65	Shore D
Filter mesh	-	120	Mesh/Sq In
Colour & Appearance	Visual	Grey	-

Storage: Material should be stored in dry/room temperature (below 50°c) and protected from direct sun light.

Version: 1.0	Specification Date: 06/03/2025
Document No: PP- 002	Signed:



Product Photo:



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