



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.

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Product Photo:



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