



Technical Product Specification

RePro™ | PPB50 – ELV Polypropylene Homopolymer PCR Resin

Product Description:

PPB50 is a 100 % PP Homopolymer PCR resin coming from end life vehicle components feedstock. PPB50 is recommended for making High performance injection moulded articles. The material exhibits good processability with excellent mechanical properties. It is currently available in black colour.

Suitable Uses: High performance injection moulded articles.

Typical Properties:

Property	Reference Standard	Typical value	Unit
Melt Flow Index	ASTM D1238 (230° C/2.16 kg)	08-12	g/10 min
Density (23°C)	ASTM D792	0.950 to 1.000	g/ cm ³
Ash content	ASTM D5630 (800°C)	<10	%
Tensile Strength Yield	ASTM D638	17-21	MPa
Flexural Strength	ASTM D790	15-20	MPa
Flexural Modulus	ASTM D790	>1500	MPa
Izod Impact Strength – Notched	ASTM D256	>2	kJ/m ²
		>25	J/m
Hardness	ASTM D2240	60-65	Shore D
Filter mesh	-	120	Mesh/Sq In
Colour & Appearance	Visual	Black	-

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

Product Photo:



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Signed: