



Topolymer[®] RCC 8232-501N Styrenic Thermoplastic Elastomer

Product Description

Topolymer[®] RCC 8232-501N is a TPE compound based on Styrenic Block Copolymer (SBC). This material can be over-molded onto PP or used for single injection. This grade contains 10% PCR material, which is 100% recyclable.

General

Appearance	✓ Natural		
Feature	✓ Soft Touch	✓ Silky Feel	✓ Easy Coloring
	✓ Tear Resistance		
Compliance	✓ RoHS	✓ REACH	✓ FDA
Form	✓ Pellet		
Packaging	✓ 25kg/bag		

Technical Property

Typical Properties	Typical Value	Unit	Test Method
Hardness	50	Shore A	ASTM D2240
Density	0.89	g/cm ³	ASTM D792
Tensile Strength at break	7.8	MPa	ASTM D412
Tensile Strength at 100%	1.0	MPa	ASTM D412
Elongation at Break	700	%	ASTM D412
Tear Strength	24	KN/m	ASTM D624

The data are not to be defined as specifications.

Processing Information

Injection	Typical Value
Rear Temperature	170-180°C
Middle Temperature	180-220°C
Front Temperature	180-220°C
Nozzle Temperature	190-230°C
Mold Temperature	20-40°C
Injection Rate	Fast/Medium
Back Pressure	0.35-0.7MPa
Screw Speed	30-80rpm
Screw L/D Ratio	22:1
Screw Compression Ratio	2:1-4:1

Notes:

- 1) The product is incompatible with PVC. Purge thoroughly before and after use of this product with a low flow (0.5 - 2.5 MFR) Polyethylene (PE) or Polypropylene (PP).
- 2) Color concentrate with PP, LDPE or EVA based carrier is recommended.
- 3) Drying is not required. However, if moisture is a problem or to get better appearance, dry pellets for 3 hours at 60°C.

Contact Information

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Rev.2024-01-01