



Cold Recycling Agent Adv R-190

Function

To reduce chemical cross linking of partially scorched / cured compounds and make it processable without much affecting the physical properties

Product specification

Adv R-190 is a low temperature recycling agent

Property	Description
Appearance	Powder
Colour	Off-white
Bulk Density	40 -70
Moisture, % (105 °C, 2 hours), Max	5.0
Shelf life	6 months

Dosage

Recommended dosage varies with:

1. Type of rubber and
2. Extent of scorching

Normal dosage can be 3 – 10 % of the compound (not PHR)

Mixing cycle

1. Put the partially scorched compound /finely ground crumb powder on cold mixing mill (preferable temperature 40 – 65°C)
2. Immediately charge Adv R-190 along with compound
3. Run the mill for 3 -10 minutes
4. Add oil* in the compound and mix for 3 – 4 minutes
5. Take the compound off the mill and observe if it has become soft and processable. If not, add additional oil till a proper soft sheet is made

* Types of oil:

- Aromatic for NR, SBR
- Paraffinic for EPDM, IIR
- DOP / DINP / Phthalate free for NBR, CR



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Benefits

1. Improves the flow and processing of reclaimed rubber
2. Helps in better mixing and dispersion of chemicals and curing agents
3. Reduces mooney viscosity for easier processing
4. Improves mechanical properties such as tensile strength and elongation
5. Helps retain properties after ageing

Application

Moulded Goods, Profiles, Hoses, Belts etc

Packaging

25 kg HDPE lined bag

Storage stability

6 months under cool and dry conditions

ADVENT CHEMICALS

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