✅ ChecklistGuro

Rubber Manufacturing BOM Polymer Checklist

Polymer Identification

Verify the correct polymer type and grade is specified in the BOM.

Polymer Name

Write something...

CAS Number

Enter a number...

Polymer Grade

☐ General Purpose
☐ High Performance
☐ Medical Grade
☐ Food Grade

Detailed Polymer Description

Write something...

Monomer Type

☐ Ethylene

☐ Propylene

☐ Vinyl Chloride

☐ Styrene

Molecular Weight (Avg)

Enter a number...

Supplier Certification

Confirm supplier certifications meet required standards and specifications.

Supplier Certification Type

☐ ISO 9001

☐ IATF 16949

☐ REACH Compliance

☐ RoHS Compliance

☐ Other

Certification Number

Enter a number...

Certification Issue Date

Enter date...

Certification Expiration Date

Enter date...

Certification Document

⬆ Upload File

Supplier Audit Status

☐ Passed
☐ Conditional
☐ Failed

Material Properties

Validate material properties (e.g., tensile strength, elongation) align with design requirements.

Tensile Strength (MPa)

Enter a number...

Elongation at Break (%)

Enter a number...

Hardness (Shore A)

Enter a number...

Density (g/cm³)

Enter a number...

Specific Gravity

Enter a number...

Material Grade

☐ Grade A

☐ Grade B

☐ Grade C

Property Test Date

Enter date...

Lot Traceability

Ensure lot traceability records are maintained for polymer materials.

Lot Number

Enter a number...

Date Received

Enter date...

Quantity Received (Units)

Enter a number...

Supplier Name

Write something...

Date of Manufacture

Enter date...

Receiving Notes/Comments

Write something...

Batch Size

Enter a number...

Additive Composition

Verify the formulation and composition of additives used with the polymer.

Additive Formulation Description

Write something...

Antioxidant Percentage (%)

Enter a number...

Plasticizer Percentage (%)

Enter a number...

Filler Percentage (%)

Enter a number...

Coupling Agent Type

☐ Silane

☐ Titanate

☐ Zirconate

☐ None

Stabilizers Used

☐ UV Absorber

☐ Heat Stabilizer

☐ Light Stabilizer

☐ None

Additive Certificate

⬆ Upload File

Regulatory Compliance

Confirm compliance with relevant environmental and safety regulations (e.g., REACH, RoHS).

REACH Compliance Status

- ☐ Compliant
- ☐ Non-Compliant
- ☐ Pending Review

RoHS Compliance Status

- ☐ Compliant
- ☐ Non-Compliant
- ☐ Pending Review

Last Compliance Review Date

Enter date...

Summary of Compliance Review Findings

Write something...

Supporting Compliance Documentation

⤒ Upload File

TSCA Inventory Listing

☐ Listed

☐ Not Listed

☐ Pending Review

Storage Conditions

Validate proper storage conditions are followed to maintain polymer quality.

Storage Temperature (°C)

Enter a number...

Relative Humidity (%)

Enter a number...

Storage Container Type

☐ Original Packaging

☐ Sealed Drum

☐ Controlled Environment Container

Date of Storage Entry

Enter date...

Notes on Storage Conditions

Write something...

UV Exposure

- [ ] Protected
- [ ] Limited
- [ ] Unprotected

Material Safety Data Sheet (MSDS)

Check for availability and adherence to the MSDS guidelines.

MSDS Version Date

Enter date...

MSDS Summary/Key Hazards

Write something...

MSDS Availability

- [ ] Online
- [ ] Print

MSDS Document (PDF)

⬆ Upload File

NFPA 704 Health Rating

Enter a number...

NFPA 704 Flammability Rating

Enter a number...

NFPA 704 Reactivity Rating

Enter a number...

Incoming Inspection Results

Review incoming inspection data to ensure material meets specifications.

Lot Number

Enter a number...

Viscosity (cP)

Enter a number...

Specific Gravity

Enter a number...

Mooney Plasticity (MU)

Enter a number...

Appearance (Visual Inspection)

☐ Acceptable

☐ Slight Discoloration

☐ Unacceptable

Additional Comments/Observations

Write something...

Inspector Signature

Inspection Date

Enter date...

Packaging and Labeling

Confirm correct packaging and labeling information is present.

Polymer Name/Grade

Write something...

Net Weight (kg)

Enter a number...

Batch/Lot Number

Write something...

Packaging Type

- [ ] Bags
- [ ] Rolls
- [ ] Pallets

Hazardous Material Indicators

- [ ] Flammable
- [ ] Corrosive
- [ ] Toxic

Date of Packaging

Enter date...

Packaging Label Image

Upload File