

# High-Performance Polymer Selection Justification Template

Project Name: \_\_\_\_\_

Date: \_\_\_\_\_

Prepared By: \_\_\_\_\_

## 1. Application Overview

## 2. Operating Requirements

Requirement	Specification
Temperature Range	
Chemical Exposure	
Mechanical Stress	
Other Special Conditions	

## 3. Candidate Polymer List

Polymer	Key Properties	Remarks

## 4. Selection Criteria

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## 5. Comparative Analysis

Criteria	Polymer 1	Polymer 2	Polymer 3
Thermal Stability			
Chemical Resistance			
Mechanical Strength			
Processability			
Cost			

## 6. Final Selection and Justification

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## 7. Approval

**Name:**

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**Signature:**

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**Date:**

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