

F.7 Special Characteristics

F.7.1 Introduction

If product characteristics/attributes can have normal variation resulting in movement outside their design-intended robust range which results in significant impact, they are designated special, and must be controlled by special controls.

Special Characteristics - Clarification Table

		Clarification	Example
1	Special Characteristics	<p>For Bulk Materials, a frequent occurrence is a transformation from bulk material to final product.</p> <p>The differences between bulk product characteristics (features of the supplied product) and the final attributes (features of the transformed product) should be understood.</p> <p>During the design phase, the product characteristics can be controls for final product attributes. (This does not imply that they are control characteristics). During manufacture of the bulk material, process parameters are the control characteristics.</p> <p>During transformation from bulk product to final product, both bulk product characteristics and final product attributes can be controlled by customer process control characteristics.</p>	<p>Illustrations of the flow of materials through final product follow (e.g., % solids Resin A, % UVA intended). These are not necessarily intended to be Special Characteristics.</p> <p>Examples of product characteristics are: viscosity, % NV Solids, % Resin "A".</p> <p>Examples of final product attributes are: appearance, film build, FMVSS safety, durability.</p> <p>Examples of manufacturing process parameters (control characteristics) are: temperature, pressure, mix rate, test protocol.</p> <p>Examples of customer transformation process parameters (control characteristics) are: fluid flow, temperature/humidity, air pressure.</p>
2	Symbols for customer-identified Special Characteristics	<p>Organizations may designate their own internal symbols to designate Special Characteristics in their working documents.</p> <p>For customer-designated/identified Special Characteristics, the customer-specific symbols will be used for required customer documentation and required shipping labels.</p>	<p>The organization may choose to use "S" (Safety), or "sp" (special), or "K" (Key), etc.</p> <p>The customer designated shield, inverted delta, diamond, etc. will be used when required per customer identification.</p>