



3770 EMBASSY PARKWAY AKRON, OHIO 44333
330-535-2100 ♦ 800-321-2260 ♦ FAX 330-535-8947

RESINS & TACKIFIERS -PHENOLIC-

SP-6601 RESIN (fka:P-55 Resin) -THERMOSETTING TWO-STEP PHENOLIC RESIN-

PRODUCT DESCRIPTION:

SP-6601 is a tall oil modified phenol-formaldehyde two step resin with hexa that is primarily designed for use in SBR compounds.

TYPICAL PROPERTIES:

Sieve Analysis (thru 200 mesh).....	98 – 100%
Specific Gravity	1.17
Melting Point, Capillary, (°F).....	145 - 160
Physical Form	Powder
Hexa Content (%)	6.5 – 8.5
Hot Plate Cure at 160°C (sec).....	30 - 50
Inclined Plate Flow at 125°C (mm).....	40 - 70

SOLUBILITY:

SP-6601 is soluble in alcohols, ketones, and esters; insoluble in aromatic and aliphatic hydrocarbons.

GENERAL RECOMMENDATIONS:

Recommended for use in SBR Rubber. Compatible in SBR Rubber to the extent of 10-15 parts per hundred. This amount of resin will act as an effective plasticizer during processing and will contribute strongly to hardness, stiffness and abrasion resistance after cure. Tear and chip resistance will be improved in high durometer parts. SP-6601 will cure to a light tan compared with SP-6600 (P-87) that cures to a dark brown. SP-6601 (P-55) should be used in light colors.

The compatibility of SP-6601 (P-55) with SBR Rubber can be greatly increased by using Nitrile Rubber in the formulation. The Nitrile Rubber serves as a common solvent or flux. For example, if 25 parts Nitrile Rubber is used with 75 parts SBR Rubber, up to 40 parts of resin can be used without encountering incompatibility.

These recommendations also apply to Natural Rubber and EPDM, and to their blends with SBR. As with most phenolics, SP-6601 (P-55) is fully compatible with nitriles. FDA acceptable under 177.2600.

STORAGE:

For best results, SP-6601 (P-55) should be stored where temperatures do not exceed 86°F for extended periods of time. As with all phenolic resins, SP-6601 (P-55) will become darker with age.

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