

POLIMER MATERIALLARDAN BUYUMLAR YASASH TEXNOLOGIYALARI**Amurillayeva Munira Utkirjonovna***Texnologik ta'lim yo'nalishi talabasi**Ilmiy rahbar: t.f.d. (DSc), prof. D.I.Kamalova**Navoiy davlat pedagogika instituti*

Annotatsiya: Ushbu maqolada polimer materiallardan buyumlar yasash texnologiyalari ko'rsatib berilgan. Misol tariqasida polimer loyidan gul yasash texnologiyasi ketma-ketligi bayon etilgan.

Kalit so'zlar: polimer, buyum, loy, mahsulot, texnologiya, amaliy mashg'ulot.

Polimer materiallardan istalgan shakldagi buyumlar: ip, plyonka, list trubalar tayyorlanadi. Polimerlarni buyumlarga aylantirishning asosiy usullari quyidagilardan iborat: ekstruziyalash, bosim ostida quyish, odatdagi presslash, ya'ni quyma presslash, ko'pirtirish, payvandlash, qizdirib puxtalash, randalash va shu bilan birga stanoklarda qirindi kesib olish yo'li bilan ishlash usullaridan iborat.

Polimer loyi hunarmandchilikda keng ishlatiladi. Polimer loyi plastik mahsulot bo'lib, ko'rinishi plastilinga o'xshash bo'lgan hidli massadan iborat. Barcha polimer loylari polivinilxlorid va suyuq plastik massani o'z ichiga oladi. Polimer loyi turli ranglar bilan bo'yalgan shaffof, yorqin toshga o'xshaydi. Polimer loyini germaniyalik olimi Fifi Rexbinder ixtiro qilgan. Loydan turli xil ko'rinishdagi buyumlarni tayyorlash mumkin. Masalan,

- ◊ Yodgorlik va zargarlik buyumlari;
- ◊ Kviling va gullar;
- ◊ Bayram sovg'alari;
- ◊ Qo'g'irchoqlar, haykallar.

Polimerdan tayyorlangan buyumlarni uzoq muddat saqlash mumkin. Loy bilan ishlaganda xavfli holatlar kuzatilmagan. Lekin, toza va ozoda ish joyi har doim ham inson sog'lig'iga foydali hisoblanadi. Quyida amaliy mashg'ulotni taqdim etamiz:

Amaliy mashg'ulot: Polimer loyidan gul yasash

Ish bajarish tartibi:

Ishni boshlashdan oldin polimer loyi tayyorlab olinadi. Polimer loyini tayyorlash uchun kerak bo'ladigan xom ashyo va asbob-moslamalar: 1 stakan kraxmal (200 gramm); 1 osh qoshiq limon sharbati (15 ml); sirli idish; yog'och qoshiq; 200 gr PVA yelimi; rang berish uchun turli xil rangli bo'yoqlar; qo'l kremi; 2 tomchi glitserin.



Polimer loyidan gul yasash tartibi va namunalari: a – yirik bargli gul namunalari; b – mayda bargli gul namunalari

Polimer loyini tayyorlash texnologiyasi

1. Polimer loyini tayyorlash uchun sirli idishga PVA yelimi va suv quyib ilitiladi.
2. Kraxmal solib, yog'och qoshiq bilan aralashtiriladi.
3. Quyuq massaga keltirilgach, ustidan mineral moy, limon sharbati, glitserin solib, yana bir xil massaga kelguncha aralashtiriladi.
4. Tayyor bo'lgan massa yaxshi ishlanishi uchun qo'l kremi solinadi va aralashtirish davom ettiriladi.
5. Polimer loyi yaxshi turishi uchun yelim xaltada saqlanadi.

Polimer loyidan gul yasash ishining ketma-ketligi:

1. Polimer loyidan gul yasash uchun 6 dona doira shakli tayyorlab olinadi.
2. Doira shaklidagi bo'laklar bir tekis qilib yoyiladi.
3. Shaklning bir uchi barmoqlar yordamida biriktiriladi.
4. Barcha bo'laklar bir-biriga biriktirilganda gul hosil bo'ladi.
5. Gulning barg qismlari ham tayyorlab olinadi.

Xulosa o'rnida aytish joizki, polimer materiallardan buyumlar yasash texnologiyalari dars jarayonida o'quvchilarni fanga bo'lgan qiziqishlarini yanada orttirishga xizmat qiladi.

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