

# Kiyanly Refinery (Turkmenistan)

## HP50-25-155

**HP50-25-155** is a high-density copolymer with good performance, which was developed for shock forming. It is recommended for use under environmental stress cracking (ESCR). This class is recommended for use in equipment with constant extrusion impact molding.

HP50-25-155 has the following properties:

- High resistance to cracking under environmental stress
- Good technological characteristics
- Good impact strength
- Compliance with the requirements of the Office of Food Quality Control of medicines and cosmetics 21CFR 177.1520

Application examples:

- Shock molded containers up to 30 liters for packaging chemicals and most household goods

### Typical physical properties

No	Description of Index	Rate
1	Volume speed of fluidity (2,16 kg), g/10 min	0,22
2	Density(annealed), kg/cm <sup>3</sup>	951
3	Strength at a stretching in a fluidity limit, N/mm <sup>2</sup>	25,5
4	Elongation at break, %	700
5	The elasticity module at a bend, N/mm <sup>2</sup> , not less than	1100
6	Impact strength under load, kDj/m <sup>2</sup>	313
7	Softening temperature by Vick, °C	129

The stated properties are measured typical product values and should not be considered as technical specifications.