

Behavior on exposure to light and weather

When POM is used in the open air, the general sensitivity to UV radiation has to be borne in mind. After prolonged exposure to the action of sunlight the parts lose their surface gloss and become brittle. Treatment with UV stabilizers, as in Ultraform® N2320 U035 for example, approximately doubles the service life. Certain pigments e.g. carbon black can also provide additional protection.

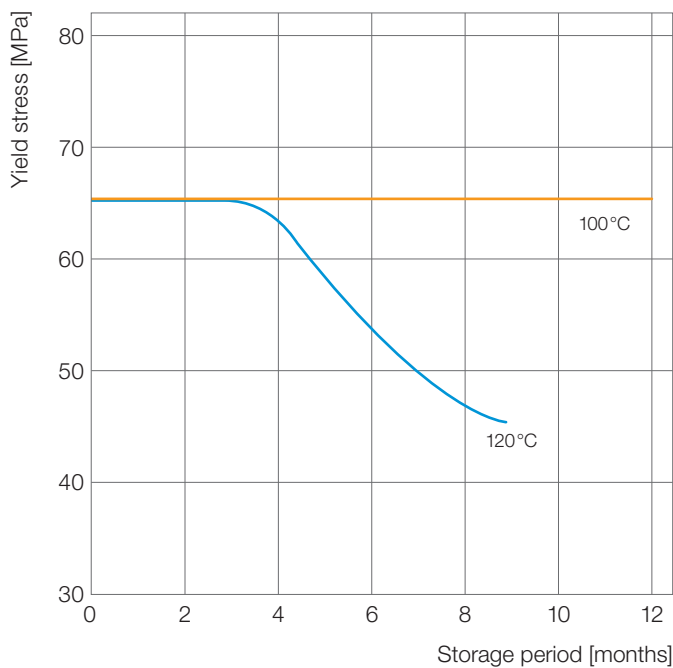


Fig. 13: Storage in air at 100°C and 120°C. Yield stress of Ultraform® N2320 003 as a function of the aging period (measured in accordance with ISO 527, v = 50 mm/min.)

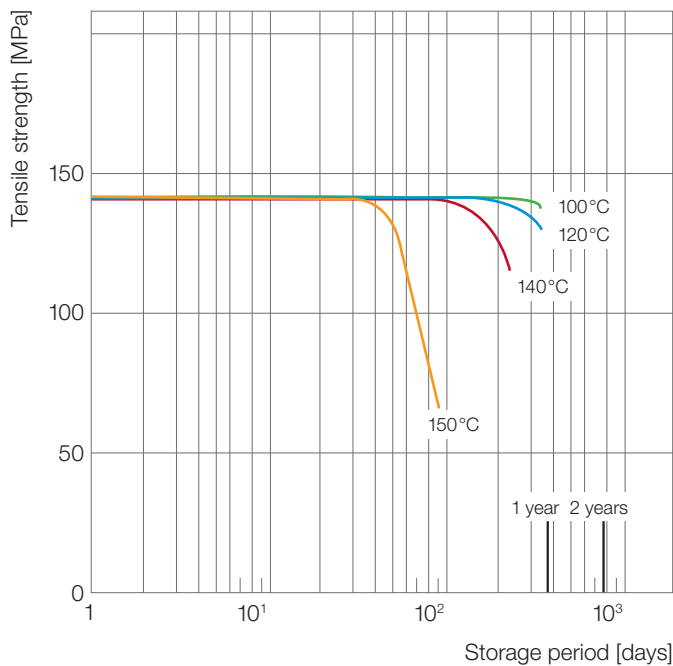


Fig. 14: Tensile strength of Ultraform® N2200 G53 measured in accordance with ISO 527 as a function of the storage period at 100°C, 120°C, 140°C and 150°C