

Product Texts

SABIC® PP grades for healthcare applications are produced under controlled conditions resulting in high product quality, consistency and a high level of purity. SABIC® PP PCGR40L is a highly transparent polypropylene random copolymer with good antistatic properties. This grade combines improved aesthetics of the finished articles with low temperature processability and a very good organoleptic performance. Part aesthetics are not affected by the lower temperatures, providing for a broader operating window, enabling short cycle times. SABIC® PP PCGR40L results in excellent demoulding characteristics and has a good stiffness to impact ratio. Typical applications: SABIC® PP PCGR40L is typically used for injection moulding of housings for empty disposable 2-part syringes. A lubrication agent is added to reduce friction between moving parts. Other applications demanding a high level of transparency and friction optimization are also possible. Compliance to regulations: SABIC® PP PCGR40L complies with the food contact regulations and the relevant monographs of the US Pharmacopoeia.

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	1150	MPa	ISO 527
Yield stress	29	MPa	ISO 527
Yield strain	13	%	ISO 527
Charpy notched impact strength, +23°C	4.5	kJ/m ²	ISO 179/1eA

Characteristics**Processing**

Injection Molding

Features

Copolymer

Special Characteristics

Transparent

Certifications

Food contact