

Product Texts

SABIC® PP 4935 is a random copolymer with a very high molecular weight. This grade has a special stabilization package. The stabilization and particular molecular structure make it suited for use in extremely demanding applications like coolant expansion vessels in cars. The grade can be processed by injection molding. The material has a medium impact, is semi-transparent and has a good stress-whitening (low blushing) characteristic. IMDS ID: 80775790

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	1300	MPa	ISO 527
Yield stress	35	MPa	ISO 527
Yield strain	12	%	ISO 527
Charpy notched impact strength, +23°C	6	kJ/m ²	ISO 179/1eA
Izod notched impact strength	1.5	kJ/m ²	ISO 180/1A
Shore D hardness	66	-	ISO 7619-1

Thermal properties	Value	Unit	Test Standard
ISO Data			
Vicat softening temperature, A	145	°C	ISO 306
Vicat softening temperature, B	86	°C	ISO 306

Characteristics**Processing**

Injection Molding

Features

Copolymer

Special Characteristics

Transparent