

Product Texts

SABIC® PP 642NH-66408 is a high molecular weight, low melt flow rate polypropylene random copolymer (PP-R) green coloured and specially designed for transport of hot and cold drinking water. This grade is highly heat stabilized and specially formulated for extraction resistance with improved throughput & gloss. SABIC®PP 642NH-66408 is pre-color compounded version of SABIC®PP 651H PPR resin (Exova – MRS classification 8 MPa). SABIC®PP 642NH-66408 is a designated pipe grade.

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	1000	MPa	ISO 527
Tensile Strength	28	MPa	ISO 527
Stress at break	18	MPa	ISO 527
Strain at break	>50	%	ISO 527
Flexural modulus	1040	MPa	ISO 178
Izod notched impact strength	2.5	kJ/m ²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	49	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	84	°C	ISO 75-1/-2

Characteristics**Special Characteristics**

Heat stabilized or stable to heat

Features

Copolymer