

SABIC® PP 651H

POLYPROPYLENE RANDOM CO-POLYMER FOR PIPE

DESCRIPTION

PP 651H is a high molecular weight, low melt flow rate polypropylene random copolymer (PP-R) green colored & 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.

TYPICAL APPLICATIONS

Hot / Cold water pipes & fittings.

TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
PROPERTIES			
Color ⁽¹⁾	Natural	-	
POLYMER PROPERTIES			
Melt Flow Rate			
@ 190°C & 5.0kg ⁽¹⁾	0.4	g/10 min	ASTM D 1238
@ 230°C & 2.16kg	0.25	g/10 min	ASTM D 1238
Density at 23°C	897	kg/m ³	ASTM D1505
MECHANICAL PROPERTIES			
Tensile Strength at Yield	28	MPa	ASTM D638
Tensile Elongation at Yield	13	%	ISO 527-1/-2
Flexural Modulus (1% Secant)	900	MPa	ASTM D790 A
Notched Izod Impact Strength at 23°C	220	J/m	ASTM D256
Rockwell Hardness, R-Scale	93	-	ASTM D785
THERMAL PROPERTIES			
Vicat Softening Point	135	°C	ASTM D1525
Heat Deflection Temperature at 455kPa ⁽²⁾	80	°C	ASTM D648

(1) Typical values; not to be construed as specification limits.

(2) Based on injection molded specimens.