

Hanwha Total PP RP100

Polypropylene

HANWHA TOTAL PETROCHEMICALS Co., Ltd.

Message:

RP100 is a propylene-ethylene copolymer grade, designed for hot and cold water supply systems. RP100 has excellent creep properties and processability by extrusion. RP100 is recommended for pressure pipe manufacturing, including tap water, underfloor heating and industrial applications. Pipes of RP100 complys with the quality requirements of the DIN 8078 or ISO 15874. RP100 is available in pellet form as natural.

General Information			
Features	Copolymer		
	Weldable		
	Workability, good		
	Good creep resistance		
	Heat resistance, high		
Uses	Industrial application		
	Piping system		
Agency Ratings	DIN 8078		
	ISO/DIS 15874		
Appearance	Natural color		
Forms	Particle		
Processing Method	Pipeline extrusion molding		
	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.25	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	26.5	MPa	ASTM D638
Fracture	22.6	MPa	ASTM D638
Tensile Elongation (Break)	450	%	ASTM D638
Flexural Modulus	883	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (0°C)	88	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	90.0	°C	ASTM D648

Recommended distributors for this material

