

Polypropylene RP 144

Sub-group:

Random Copolymer

Description:

RP 144 is a high melt flow rate random copolymer, designed for high speed coating equipments. This product features good processability, excellent gloss and weldability.

Applications:

Waterproofing of welded raffia bags

Processing:

Extrusion Coating

Control Property:

	ISO Method	Units	Values
Melt Flow Rate (230°C/2.16 kg)	1133	g/10 min	40

Typical Properties^{a)}:

	ISO Method	Units	Values
Density	1183	g/cm ³	0.902
Flexural Modulus	178	MPa	850
Tensile Strength at Yield	527-1	MPa	27
Tensile Elongation at Yield	527-1	%	12
Rockwell Hardness (R Scale)	2039-2	-	76
Notched Izod Impact Strength at 23°C	180	kJ/m ²	3.0
Deflection Temperature under Load at 0.455 MPa	75-1/75-2	°C	86
Deflection Temperature under Load at 1.820 MPa	75-1/75-2	°C	50
Vicat Softening Temperature at 10 N	306	°C	130

a) Injection molded specimen according to ISO 294.

