

Polypropylene PCD 0140

Sub-group:

Heterophasic Copolymer

Description:

PCD 0140 is a low melt flow rate heterophasic copolymer with high impact resistance. This resin was developed for steel pipe coating extrusion. PCD 0140 is highly protected against thermal ageing and designed for continuous use at high temperature.

Applications:

Undercoating, solid thermal coating, foam thermal coating

Processing:

SPC

Control Property:

	ASTM Method	Units	Values
Melt Flow Rate (230°C/2.16 kg)	D 1238	g/10 min	0.75

Typical Properties^{a)}:

	ASTM Method	Units	Values
Density	D 792	g/cm ³	0.905
Flexural Modulus – 1% secant	D 790	MPa	1400
Tensile Strength at Yield	D 638	MPa	25
Tensile Elongation at Yield	D 638	%	5.0
Tensile Elongation at Break	D 638	%	≥ 400
Hardness Shore D/1	D 2240	-	66
Volume Resistivity	D 257	Ω.cm	10 ¹⁷
OIT at 220°C	D 3895	min	≥ 50
Melting Temperature	D 3418	°C	163
Vicat Softening Temperature at 10 N	D 1525	°C	146

a) Compression molded specimen according to ASTM D 4703.

