


Datasheet
 Review 2 (Dec / 17)

Polypropylene PCD 0140BR

Description:

Heterophasic Copolymer

PCD 0140BR is a low melt flow rate heterophasic copolymer with high impact resistance. This resin was developed for steel pipe coating extrusion. PCD 0140BR is highly protected against thermal ageing, designed for continuous use at high temperature, and UV stabilized. External three layer extruded polypropylene (topcoating) based coatings for corrosion protection of welded and seamless steel pipes (3LPP). Topcoating and undercoating in thermal insulation coating of steel pipes.

Applications:

External three layer extruded based coatings for corrosion protection of steel pipes, Topcoating and undercoating in thermal insulation coating of steel pipes

Processes:

Steel Pipe Coating

Control Properties

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

Typical Properties

Feature	Method	Units	Values
Density	D 792	g/cm ³	0.915
Flexural Modulus - 1% Secant	D 790	MPa	1100
Tensile Strength at Yield	D 638	MPa	25
Tensile Elongation at Yield	D 638	%	7.0
Elongation at Break	D 638	%	= 400
Shore Hardness (D Scale)	D 2240	-	66
Volume Resistivity	D 257	Ω.cm	10 ¹⁷
Vicat Softening Temperature at 10 N	D 1525	°C	147
OIT at 200°C	D 3895	min	= 50
Melting Temperature	D 3418	°C	163
Thermal Conductivity	C177 or C518	W/m.k	= 0.22
Abrasion by Taber Abrader (CS-17 / 1000 g / 1000 cycles)	D 4060	mg	7
UV Stability after 3500 h - Elongation at break variation - Melt flow Index variation	D 155 - Cycle 1	%	- 15 / -20

a) Injection molded specimen according to ASTM D 4101. NB = No Break.

Final observations

- The information presented in this Data Sheet reflects typical values obtained in our laboratories, but should not be considered as absolute or as warranted values. Only the properties and values mentioned on the Certificate of Quality are considered as guarantee of the product.
- In some applications, Braskem has developed tailor-made resins to reach specific requirements.
- In case of doubt regarding utilization, or for other applications, please contact our Technical Assistance.
- For information about safety, handling, individual protection, first aids and waste disposal, please see MSDS.
- For regulatory information concerning the product, please consult the Regulatory Information Sheet or contact our Technical Assistance Area.
- The mentioned values in this report can be changed at any moment without Braskem previous communication.