

Polypropylene PCD 0140BR

Sub-group:

Heterophasic Copolymer

Description:

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.

Applications:

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.

Processing:

SPC

Control Property:

	ISO Method	Units	Values
Melt Flow Rate (230°C/2.16 kg)	1133	g/10 min	0.75

Typical Propertiesa:

	ISO Method	Units	Values
Density	1183-1	g/cm ³	0.915
Flexural Modulus – 1% secant	178	MPa	1300
Tensile Strength at Yield	527-1	MPa	25
Tensile Elongation at Yield	527-1	%	7.0
Tensile Elongation at Break	527-1	%	≥ 400
Hardness Shore D/1	868	-	66
OIT at 220°C	11357-6	min	≥ 50
Melting Temperature	11357-1	°C	163
Vicat Softening Temperature at 10 N	306	°C	147

a) Compression molded specimen according to ISO 294.

Final Remarks:

1. 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.
2. In some applications, Braskem has developed tailor-made resins to reach specific requirements.
3. In case of doubt regarding utilization, or for other applications, please contact our Technical Assistance.
4. For information about safety, handling, individual protection, first aids and waste disposal, please see MSDS. CAS Registry number: 9010-79-1
5. The mentioned values in this report can be changed at any moment without Braskem previous communication.
6. Braskem does not recommend this grade for packages, parts or any kind of product manufacture that will be used for storage or contact with solution that will have internal contact with human body..
7. This resin does not contain the substance Bisphenol A (BPA, CAS # No. 80-05-7) in its composition.