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/cm³	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 220ºC	D 3895	min	≥ 50
Melting Temperature	D 3418	ºC	163
Vicat Softening Temperature at 10 N	D 1525	ºC	146

a) Compression molded specimen according to ASTM D 4703.

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.