



Sipchem PBT-R1-B0-100

Polybutylene Terephthalate Resin

Product description: Sipchem PBT-R1-B0-100 is a Polybutylene Terephthalate resin, manufactured by Sipchem Chemical Company in The Kingdom of Saudi Arabia using an Inventa-Fischer Technology.

PBT-R1-B0-100 is a very low viscosity neat PBT resin

Applications: Compounding

Properties	Typical Value	Unit	Test Method
PHYSICAL			
Density	1.31	g/cm ³	ASTM D1505
Melt Flow Rate (250°C/2.16kg)	100	g/10 min	ASTM D1238
Intrinsic Viscosity	0.8	dL/gr	ASTM D2857
Carboxyl End Group	< 30	meq/kg	ISO 2114
Colour (b*)	< 3	-	ASTM D6290
MECHANICAL			
Tensile Strength	60.1	MPa	ASTM D638
Elongation at Yield	3.8	%	ASTM D638
Flexural Modulus	2270	MPa	ASTM D790
Flexural Strength	86.7	MPa	ASTM D790
Flexural Strain at Flexural Strength	8.8	%	ASTM D790
Izod Impact Strength - Unnotched at +23°C	NB	J/m	ASTM D256
Izod Impact Strength - Notched at +23°C	20.2	J/m	ASTM D256
THERMAL			
Melting Temperature	225	°C	ASTM D3418
Heat Deflection Temperature, 1.80 MPa	52.4	°C	ASTM D648
Vicat Softening Temperature	178.6	°C	ASTM D1525
Burning Behaviour	HB	Class	IEC 60695

These are typical properties: these are not to be construed as specifications.

This product is not intended for use in medical applications and should not be used in any such applications.

Contact your Sipchem Representative for compliance with Food Contact Regulation.

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